DISTRICT DISASTER MANAGEMENT PLAN 2020

District Sialkot

Disilting of Nullahs

Earthquake 2005

Floods 2014

Floods 2017

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Approved by: Deputy Commissioner, Sialkot.

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Flood

Estimated number of people at risk of **floods** in 2019

30%

of total population

Risk: High

Earthquake

Estimated number of people at risk of Earthquake in 2019

20%

of total population

Risk: Medium

Epidemic

Estimated number of people at risk of epidemic in 2019

10%

of total population

Risk: Low

Cross Border Firing

Estimated number of people at risk of Cross Border Firing in 2019

1%

of total population

Risk: Medium

STRATEGIC SUMMARY

Disaster Management Plan of District Sialkot has been prepared keeping in view historical occurrences of disasters incidents. Flood has been most frequent incident with few incidents of Tornados & Fire incidents. Incidents of earth quakes have also increased in recent past raising alarm for all stake holders.

In Sialkot flood season normally include period from July to September. First flood contingency plan was prepared in 1975 & it has been revised every year. Sialkot experienced highest flood levels in year 2014 and the same are taken as bench Mark. Flood level in River Chenab in 2014 was 858,464 Cs.

This plan covers measures for pre, during & post phases of disaster, gives snap shot of available resources & mechanism for their efficient & effective utilization under close coordination of all stake holders.

DISTRICT PROFILE

Population

Total	Male (above 18)	Female (above 18)	Boys (less than 18)	Girls (less than 18)	Vulnerable Groups (PLWs, disabled, aged)	Population Density (people per Sq. km)
3,893,672	-	-	-	-	-	

Source: Census 2017

Total Number of Houses	Kaccha Houses	Pakka Houses	Mixed Houses
-	-	-	-

Source: Click here to enter text.

Total Area (in acres)	Area in cultivation (in acres)	Number of Tehsils	Number of Union Councils	Number of Villages/Mouzas/ Revenue estates
742865	553363	4	148	1577

Literacy Rate

Overall	Rural		Urban		Total	
	Male	Female	Male	Female	Male	Female
58.9%	62%	45%	76%	68%	65.9%	51.5%

Source: Census Report 1998

Poverty (percentage of population below poverty line)

Overall	Rural	Urban
56%	36%	20%

*Source:*Click here to enter text.

Government Schools

		Number of Functional Schools	Enrollment Rate
	Total/ Overall	2023	86.35
Boys	Primary	411	81.22
	Middle	105	82.00
	High	105	88.00
	Higher Secondary	11	
Girls	Primary	1021	83.34
	Middle	198	85.00
	High	148	92.00
	Higher Secondary	24	

Private Schools

		Number of Functional Schools	Enrollment Rate
	Total/ Overall	2751	
Boys	Primary	14	
	Middle	206	
	High	762	
	Higher Secondary	17	
Girls	Primary	15	
	Middle	307	
	High	1332	
	Higher Secondary	12	

Government Health Facilities

	DHQ	THQ	RHC	BHU	Civil Dispensary
Total					
Functional	2	4	6	88	40

Main source of livelihood in the community? *(in percentage)*

1. Agriculture based - own farm/share cropping	2. Livestock based	3. Fishery	4. Daily laborer	5. Regular job	6. Shopkeeper/trader/Business	7. Other
40%	15%	1%	20%	4%	20%	%

Disaster History - Floods (since 2000)

S#	Year	No. of people affected	No. of deaths	No. of Mouza Affected	Houses Damaged (Partially)	Houses Damaged (Fully)	Compensation Paid (Rs.)	Financial Impact (including infrastructure damaged)
1	2014	97000	42	351	1500	1197	98991438	-
2	2016	25000	4	38	-	-	-	-
3	2017	100	-	5	-	-	-	-
4	2018	150	1	5	1	0	40000	-
5								
6								
7								
8								
9								
10								
11								
12								

Disaster History – Other disasters (since 2000)

S#	Year	Disaster Type	No. of people affected	No. of deaths	Remarks
1	2005	Earthquake	Nil	Nil	-
2	2011	Tornado	1257	06	-
3	2018	Cross Border Firing	54600	13	49 Injured
4					
5					
6					
7					
8					
9					
10					

General Information

Particulars	Detail
Neighboring districts	Gujranwala, Gujrat, Norowal.
Weather/Climate pattern	Max. 42C and min 6C. Temperature.
Major Rivers	River Chenab, Jammu Tavi and Manawar Tavi. **Passing through areas along with length in the district**: Northern side of District Sialkot approximately 60 to 70 KM.
Major Nullahs / Streams	Nullah Deg, Passing through Tehsil Pasrur and Daska, approximate length 122 KM. Nullah Aik, Passing through Tehsil Sialkot, approximate length 62 KM.

	Nullah Bhaid, Passing through Tehsil Sialkot approximate length 17 KM Nullah Palkhu, Passing through Tehsil Sialkot approximate length 95 KM
Motorway/Highway	Sialkot Narowal Road, Sialkot Lahore Road, Sialkot Wazirabad Road, Sialkot Marala Road Sialkot-Lahore Motorway (Under Construction)
Railways	Railway station, Railway road near Jinnah Stadium Sialkot Railway Station Tehsil Pasrur District Sialkot Railway station Tehsil Sambrial District Sialkot
Geological features	No fault line, no mountainous area.

Dams (including small dams)

Name of Dam	Location	GPS Coordinates	Capacity	High Flood Level	Critical Points, if any	Remarks
-	-	-	-	-	-	-

Major Embankments/Bunds

Name of Embankment	Length (km)	Starting Point (Mouza/Tehsil Name)	Ending Point (Mouza/Tehsil Name)	Name of Critical/ vulnerable Points	GPS Location of Critical/ Vulnerable Points	Remarks
Right Marginal Bund	2.02	Marala Barrage/Gujrat	Kuri Sharif/Gujrat	-	-	No Critical/vulnerable points
Left Marginal Bund	22	Marala Barrage/Sialkot	Chaprar/Sialkot	-	-	No Critical/vulnerable points
Colony Protection Bund cum Left Flood Protection Bund	17.34	Marala Barrage/Sialkot	Khasa Mainwala/Sialkot	-	-	No Critical/vulnerable points

Minor Embankment / Bunds

Sr. No.	Name of Flood protection bands structures	GR/RD		Height (Ft)	Width (Ft)	Length (Ft)	Present condition of bunds / structure	Likely vulnerable areas
		From	To					
1.	City Flood Protection Bund along Nullah Aik	603326	586313	8	20	7218	satisfactory	City area of Sialkot Rangpura
2.	Mallah Chak Flood Protectioon Bund Nullah Aik	604327	651350	8	20	31498	satisfactory	Allochak, Haripur, Langrewali, Mallahchak.
3.	Haji Pura Flood Protection Bund along Nullah Aik.	556300	570315	9	20	12468	satisfactory	Village Boghra, City Sialkot
4.	Right Flood Protection Bund over Deg Nullah from Defence Embankment to Zaffarwal kingra Road RD 0-14500	913257	885231	12	20	14436	satisfactory	Khalil Pur

5.	Right Flood Protection Bund over Deg Nullah from Kingra Road To Choor Bridge.	885231	840160	14	20	29529	satisfactory	Jabg, Joya, Haji Makhtab, Jhtoki
6.	Right Flood Protection Bund over Deg Nullah from Dhirpir Muhammad to Chak Raja	750066	764106	12	20	16077	satisfactory	Chak Raja, Charwind, Dogri, Amin Shah, Dhirpir

Breaching Section

Name of River	Name of Breaching Section	Location with GPS Coordinates	Likely Affected Population			Likely Affected Mouzas	Remarks
			Male	Female	Children		
Chenab	Marala Breaching Section	At RD:5+000 on Right Marginal Bund of Marala Barrage	-	-	-	-	No mouza likely to be affected in case breaching of breaching section of Marala Barrage

UNION COUNCIL WISE VULNERABILITY AND RISK ASSESSMENT

1	2	3	4	5	6	7	8
River/Nullah's name and location where obstacles identified	**Union Council/Village**	**Detail of Pacca houses/roads/factories etc. in riverine area/nullahs and where this is continuing and can cause more damages in future. Khasra numbers must be mentioned**	**Identification of places where overflow occurred due to gradient level**	**Past history of destruction due to overflow/flooding mentioned at Column,3 & 4**	**Geo-Location of the potential threats, blockage, encroachments mentioned at Column, 3 & 4**	**Water spread/flooding in past i.e in natural courses due to encroachments (in cusecs)**	**Remarks**
RIVER TAVI							
River Tavi	**UC Phuklain**	**TEHSIL SIALKOT**					
	i.Chao Chak	Nil	i.Chao Chak	Destruction of Crops, Roads etc.	i.Chao Chak	150000	
	ii.Pull Bajwa		ii.Pull Bajwa		ii.Pull Bajwa		
	iii.Pindi patrara		iii.Pindi patrara		iii.Pindi patrara		
	iv.Khojey Chak		iv.Khojey Chak		iv.Khojey Chak		
River Tavi	**UC Kachi Mand**			Destruction of Crops, Roads etc.			
	i.Tiba Merhal	Nil	i.Tiba Merhal		i.Tiba Merhal	150000	
	ii.Pindi Bajwa		ii.Pindi Bajwa		ii.Pindi Bajwa		
River Tavi	**UC Chaprar**	Nil					
	jhumain Dilalan		jhumain Dilalan	Destruction of Crops, Roads etc.	jhumain Dilalan	150000	
RIVER CHANAB							
River Chanab	**UC Kachi Mand**						
	i.Kaliar	Nil	i.Kaliar	Destruction of Crops, Roads etc.	i.Kaliar	410000	
	ii.Khanobhau		ii.Khanobhau		ii.Khanobhau		
	iii.Pipeen		iii.Pipeen		iii.Pipeen		
	iv.Gangwal		iv.Gangwal		iv.Gangwal		
	v.Sadarpura		v.Sadarpura		v.Sadarpura		
		TEHSIL SAMBRIAL					

Power Houses/Grid Station/Oil Depot

Name	Capacity	GPS Coordinates	Name	Capacity	GPS Coordinates
220 KV Sahowala	220 KV	X: Y:	132 KV Lala Pur	132 KV	X: Y:

River Chanab	**UC HABIBPUR**						
	i.Pannu Atrari	Nil	i.Dour	Destruction of Crops, Roads etc.	i.Pannu Atrari	410000	
	ii.Chak Ikhtair		ii.R.B		ii.Chak Ikhtair		
	iii.Bhakrian wali				iii.Bhakrianwali		
	iv,Dour				iv,Dour		
	v.R.B				v.R.B		
	vi.Khatulia				vi.Khatulia		
River Chanab	**UC Randheer Bhagrian**						
	i.Bhagal Ghrabi	Nil	i.Randheer	Destruction of Crops, Roads etc.	i.Bhagal Ghrabi	410000	
	ii.Bhagal Sharqi				ii.Bhagal Sharqi		
	iii.Hussain Pur				iii.Hussain Pur		
	iv.Randheer				iv.Randheer		
	v.Merdakey				v.Merdakey		
	vi.Chaoke Khurd				vi.Chaoke Khurd		
	vii.Chaoke Kalan				vii.Chaoke Kalan		
	viii.Kharl				viii.Kharl		
	ix.Doburji Chandi Sing				ix.Doburji Chandi Sing		
	x.Pakki Gali				x.Pakki Gali		
NULLAH AIK							
		TEHSIL SIALKOT					
Nullah Aik	**UC Pindi Aryian**						
	i.Pindi Aryian	Nil	i.Pindi Aryian	Destruction of Crops, Roads & Houses	i.Pindi Aryian	40713	
			ii.Ittifaq Pura				
Nullah Aik	**UC Talwara Mughlan**						
	i.Alo Chak	Nil	i.Alo Chak	Destruction of Crops.	i.Alo Chak	40713	
Nullah Aik	**UC Neka Pura**						
	i.Mohallah Sujehabad	Nil	(UC, Pindi Aryian)	Destruction of Houses	i.Mohallah Sujehabad	40713	
Nullah Aik	**UC Habib Pura**						
	i.Mohallah Hayat Pura	Nil	(UC, Pindi Aryian)	Destruction of Houses	i.Mohallah Hayat Pura	40713	
	ii.Babe Brian				ii.Babe Brian		
Nullah Aik	**UC Doburji Aryian**						
	i.Behri Colony	Nil	i.Behri Colony	Destruction of Crops, Roads & Houses	i.Behri Colony	40713	
Nullah Aik	**UC Fateh Garh**						

	i.Bograh	Nil	i.Bograh	Destruction of Roads & Houses	i.Bograh	40713	
Nullah Aik	**UC Miani**						
	i.Shatab Garha	Nil	i.Shatab Garha	Destruction of Crops, Roads & Houses	i.Shatab Garha	40713	
Nullah Aik	**UC Adalat Garh**						
	i.Adalat Garh	Nil	Ganjianwali	Destruction of Roads & Houses	i.Adalat Garh	40713	
	ii.Muzaffar Pur				ii.Muzaffar Pur		
	iii.Ganjianwali Khurd				iii.Ganjianwali Khurd		
	iv.Butter				iv.Butter		
		TEHSIL DASKA					
Nullah Aik	**UC. Ghuinkey**						
	i.Nagoor	Nil	i.Nagoor	Destruction of Crops, Roads.	i.Nagoor	40713	
	ii.Talwara		ii.Talwara		ii.Talwara		
	iii.Kotli Marlan		iii.Kotli Marlan		iii.Kotli Marlan		
	iv.Kotli Bhago				iv.Kotli Bhago		
		TEHSIL SAMBIRAL					
Nullah Aik	**UC Baddoke Cheema**						
	i.Baddoke Cheema	Nil	Purankey	Destruction of Crops, Roads.	i.Baddoke Cheema	40713	
	ii.Purankey				ii.Purankey		
	iii.Gadial Sharqi				iii.Gadial Sharqi		
	iv.Gadial Gharbi				iv.Gadial Gharbi		
Nullah Aik	**UC Bhopalwala**						
	i.Bhopalwala	Nil	Bhopalwala	Destruction of Crops & Houses.	i.Bhopalwala	40713	
	ii.Chak Khena				ii.Chak Khena		
Nullah Aik	**UC Ballagan**						
	i.Ballagan	Nil	Ahmedabad	Destruction of Crops, Roads.	i.Ballagan	40713	
	ii.Dhillam		Dhillam		ii.Dhillam		
	iii.Kang		Brayar		iii.Kang		
	iv.Chalokey				iv.Chalokey		
	v.Baryar				v.Baryar		
	vi.Waan				vi.Waan		
	vii.Ahmedabad				vii.Ahmedabad		
			NULLAH BHED				
		TEHSIL SIALKOT					
Nullah Bhed	**UC KOTLI BEHRAM**						
	I.Azam Block	Nil	I.Azam Block	Destruction of Roads Streets etc	I.Azam Block	3500	
	ii.Rajput Colony		ii.Rajput Colony		ii.Rajput Colony	3500	
Nullah Bhed	**UC Model Town**						
	i.Khadim Ali Road	Residebntial area of city Sialkot on both sides Nullah.	i.Khadim Ali Road	Destruction of Roads & Houses	i.Khadim Ali Road	3500	
	ii.Aamer Street		ii.Aamer Street		ii.Aamer Street		

	iii.Capital Road		iii.Capital Road		iii.Capital Road		
	iv.Mubarik Pura		iv.Mubarik Pura		iv.Mubarik Pura		
	v.Ghulshan Town		v.Ghulshan Town		v.Ghulshan Town		
Nullah Bhed	**UC Jourian Kalan**						
	i.Gadray	Nil	Gandwali	Destruction of Roads & Crops	i.Gadray		
	ii.Gandwali				ii.Gandwali		
	iii.Olak				iii.Olak		
NULLAH PHALUKHO							
		TEHSIL SIALKOT					
Nullah Phalukho	**UC.Kamanwala**						
	i.Qadarabad	Nil	i.Qadarabad	Destruction of Crops	i.Qadarabad	3200	
	ii.Jhulki		ii.Jhulki		ii.Jhulki		
	iii.Kamanwala		iii.Kamanwala		iii.Kamanwala		
	iv.Karkhana		iv.Karkhana		iv.Karkhana		
	UC.Ballanwala						
	i.Ballanwala	Nil	i.Ballanwala	Destruction of Crops	i.Ballanwala	3200	
	ii.Machi Khokhar		ii.Machi Khokhar		ii.Machi Khokhar		
Nullah Phalukho	**UC Jourian Kalan**						
	i.Nawan Pind	(i) Gloves Factory Village Nawan Pin (ii) Shops near pull Tangawala Chitti Sheikhan(iii)Shops near Pull Hakeema Chitti Sheikhan	i.Nawan Pind	Destruction of Crops		3200	
	ii.Chitti Sheikhan		iii.Chitti Sheikhan		ii.Chitti Sheikhan		
	iii.Nangal		iv.Nangal				
	vi.Ghansarpur		v.Ghansarpur				
		TEHSIL SABRIAL					
	UC.Jhetikey						
	I.Jhetikey	Nil	I.Jhetikey	Destruction of Crops	I.Jhetikey	3200	
	ii.Karlwali		ii.Karlwali		ii.Karlwali		
	iii.Roopwali		iii.Roopwali		iii.Roopwali		
	UC Kopra						
	i.Dhodowal	Nil	i.Dhodowal	Destruction of Crops	i.Dhodowal	3200	
	ii.Dhadowali		ii.Dhadowali		ii.Dhadowali		
	iii.Sarankey		iii.Sarankey		iii.Sarankey		
	iv.Dera Moj Din		iv.Dera Moj Din		iv.Dera Moj Din		
	v.Ghulab Garh		v.Ghulab Garh		v.Ghulab Garh		
	vi.Kopra		vi.Kopra		vi.Kopra		
	vii.Dera Bhattian		vii.Dera Bhattian		vii.Dera Bhattian		
	UC Randheer						
	i.Roheela	Nil	i.Roheela	Destruction of Crops	i.Roheela	3200	
	ii.Kotli Mughlan		ii.Kotli Mughlan		ii.Kotli Mughlan		
	iii.Siayanwali		iii.Siayanwali		iii.Siayanwali		
	iv.Pakki Garhi		iv.Pakki Garhi		iv.Pakki Garhi		
NULLAH DEG							
		TEHSIL PASRUR					

Nullah Deg	**UC Chahoor**						
	i.Chak Machana	Nil	Chahoor	Destruction of Crops & Houses.	i.Chak Machana	29783	
	ii.Jabbokey		Jabbokey		ii.Jabbokey		
	iii.Nawaday		Chak Machna		iii.Nawaday		
	iv.Kot Dhonda		Easpur		iv.Kot Dhonda		
	v.Kot bhonda		Kot Dhonda		v.Kot bhonda		
	vi. Pannakey				vi. Pannakey		
	vii.Dara Ningal				vii.Dara Ningal		
	viii.Easpur				viii.Easpur		
Nullah Deg	**UC Takhat Pur**						
	i.Bhangey	Nil	i.Bhangey	Destruction of Crops & Houses.	i.Bhangey	29783	
	ii.Dheer		ii.Dheer		ii.Dheer		
	iii.Khwan Cheema		iii.Khwan Cheema		iii.Khwan Cheema		
	vi.Punj Graina Bajwa		vi.Punj Graina Bajwa		vi.Punj Graina Bajwa		
	vi.Bhond		vi.Bhond		vi.Bhond		
	vii.Mian Harpal		vii.Mian Harpal		vii.Mian Harpal		
	viii.Bhagowali		viii.Bhagowali		viii.Bhagowali		
Nullah Deg	**UC Ballagan**						
	i.Baryar	Nil	i.Baryar	Destruction of Crops & Houses.	i.Baryar	29783	
	ii.Peera		ii.Peera		ii.Peera		
	iii.Bhuda Khurd		iii.Bhuda Khurd		iii.Bhuda Khurd		
	iv.Aadokey		iv.Aadokey		iv.Aadokey		
	v.Roopowali		v.Roopowali		v.Roopowali		
	vi.Rasoolpur Kakeyaian		vi.Rasoolpur Kakeyaian		vi.Rasoolpur Kakeyaian		
	vii.Bhikkakey		vii.Bhikkakey		vii.Bhikkakey		
Nullah Deg	**UC Pejokey**						
	i.Gurrar Baryar	Nil	i.Gurrar Baryar	Destruction of Crops.	i.Gurrar Baryar	29783	
	UC Kalaswala						
	i.Mehdi Pur	Nil	i.Mehdi Pur	Destruction of Crops.	i.Mehdi Pur	29783	

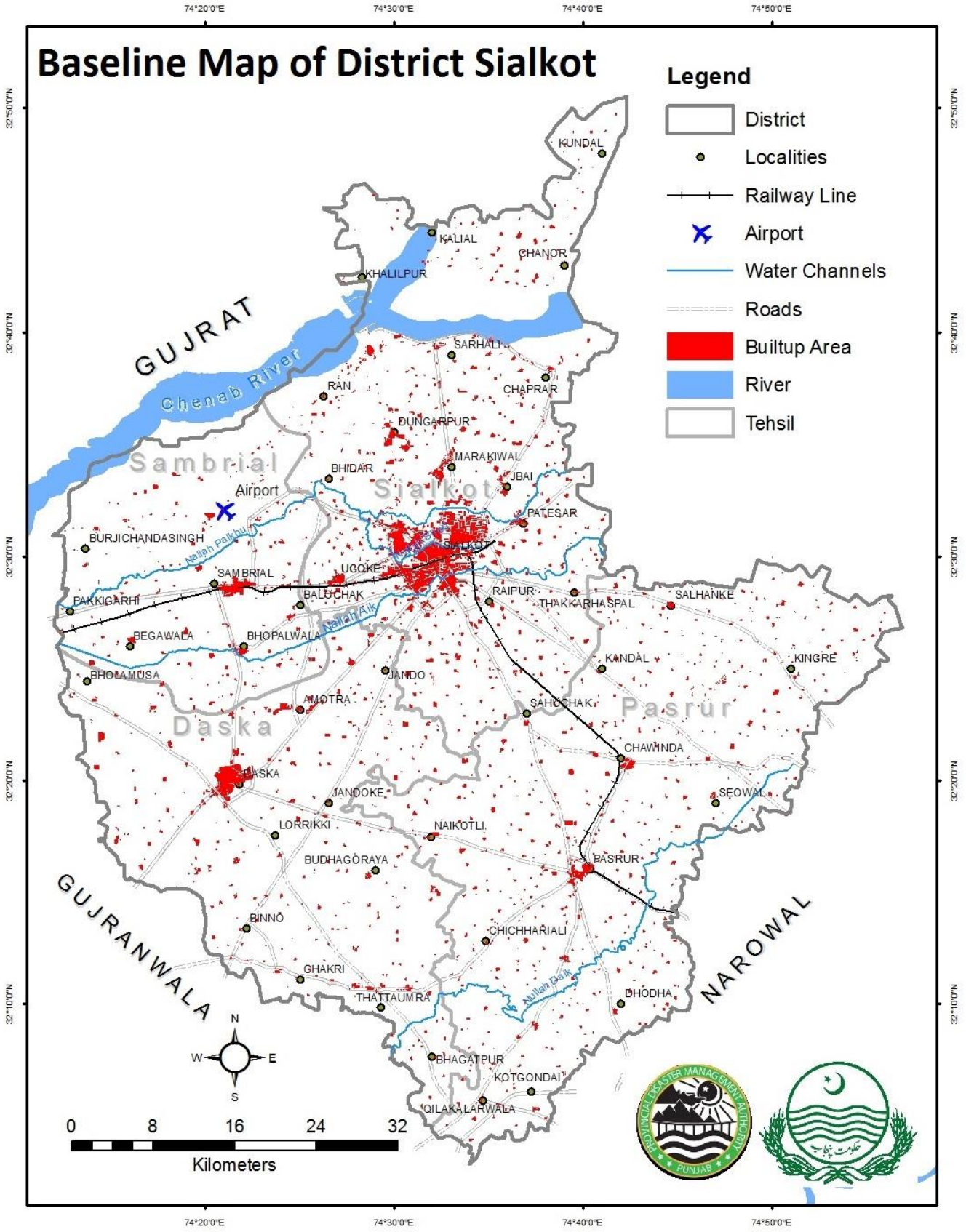
New Sialkot	132 KV	X: Y:	132 KV Sambrial	132 KV	X: Y:
132 KV Pasrur Road Sialkot	132 KV	X: Y:	66 KV Head Marala	66 KV	X: Y:
132 KV City	132 KV		132 KV Cantt	132 KV	
132 KV Old Power House	132 KV		132 KV Daska Road Ghuinkey	132 KV	
132 KV Kotli Loharan	132 KV		132 KV Pasrur	132 KV	
132 KV Kot Agha	132 KV				

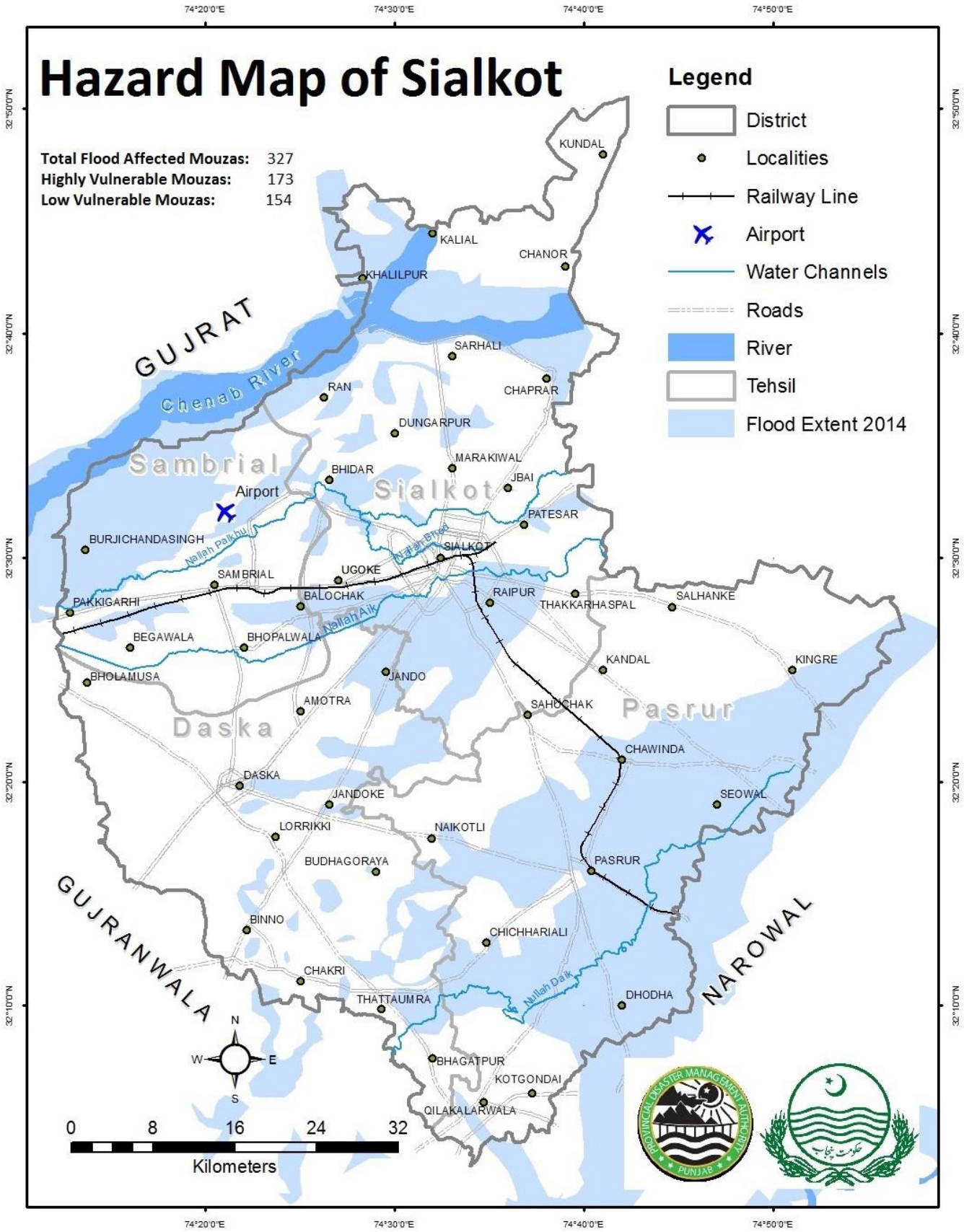
Airport / Landing Strips

Type	Area Name	GPS Coordinates	Type	Area Name	GPS Coordinates
International SIALKOT Airport	Sambrial	32.5343119 74.3627691	**Landing Strip, Sialkot Cantt**	Garrison Park	32°30'54.4"N 74°31'42.2"E
Landing Strip Pasrur	Govt. High School NO. 1	32°16'17.2"N 74°39'57.6"E	**Landing Strip Sialkot**	Head Marala	32°662941"N 74°468583"E

Govt. storage facilities/warehouses in the district

Facility Type	Capacity	Location with GPS Coordinates	Facility Type	Capacity	Location with GPS Coordinates
1. 10 Wheat Station Centres Near Jinnah Stadium Sialkot **2. 08 Wheat Centres near Rex Cinema Sialkot**	**9,000 metric Ton** **8,000 Metric Ton**		8 Wheat Centres near 8 No. Chungi Daska	1000 Metric Ton	
2. 3 Provincial Reserve Wheat Centre Sambrial	**9000 metric Ton**		2 Wheat Centres near Railway station	60,000 metric Ton	
4. 6 Wheat Centres Siran wali	70,000 metric Ton				
5. Warehouse at Hockey Stadium			Relief Equipment		

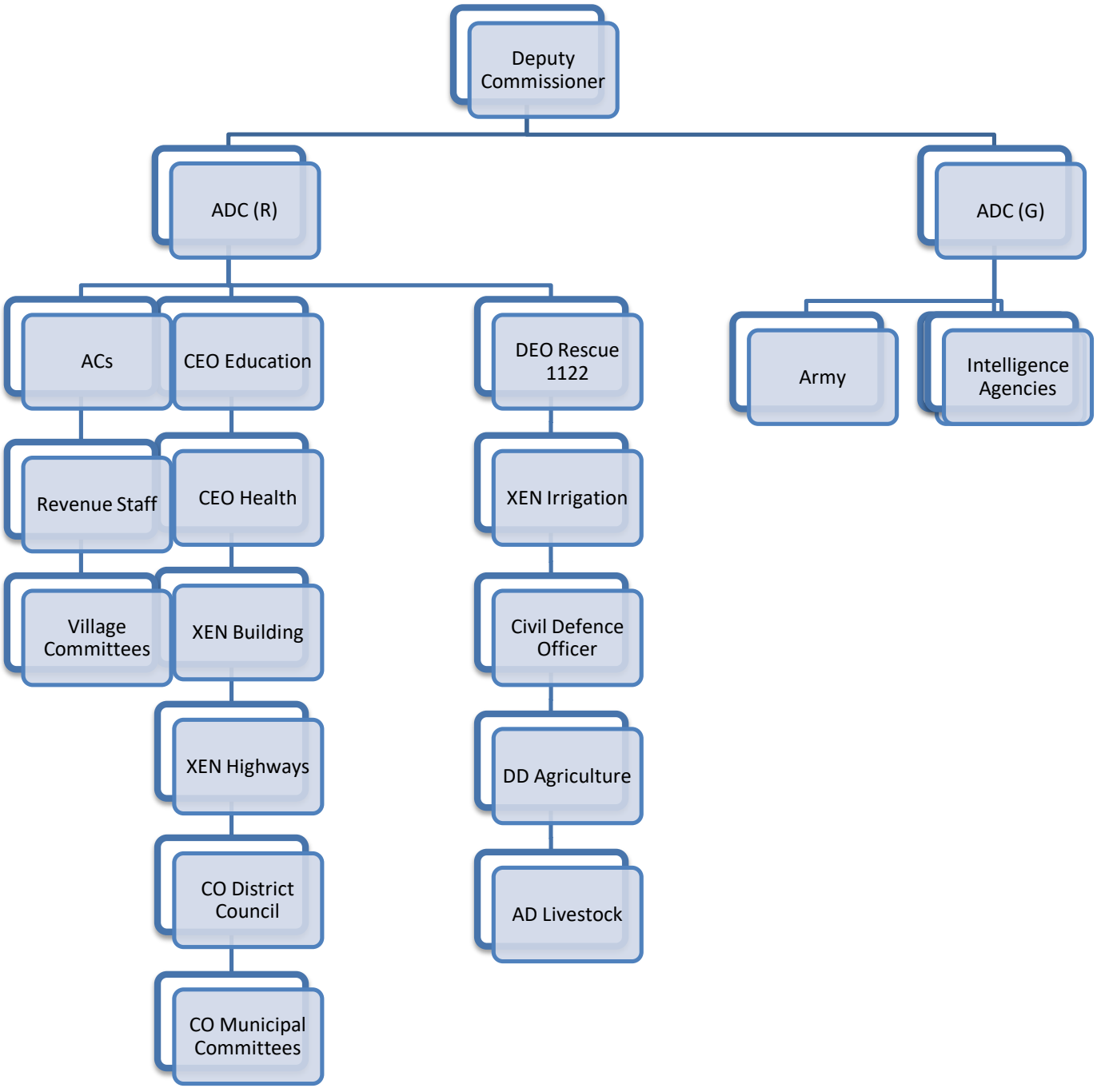

Baseline Map of District Sialkot
Legend
District
Localities
Railway Line
Airport
Water Channels
Roads
Builtup Area
River
Tehsil
74°20'0"E
74°30'0"E
74°40'0"E
74°50'0"E
32°50'0"N
32°40'0"N
32°30'0"N
32°20'0"N
32°10'0"N
GUJRAT
GUJRANWALA
NAROWAL
Chenab River
Sambrial
Sialkot
Daska
Pasrur
Airport
KUNDAL
KALIAL
CHANOR
KHALILPUR
SARHALI
RAN
CHAPRAR
DUNGARPUR
MARAKIWAL
BHIDAR
JBAI
PATESAR
BURJCHANDASINGH
Nallah Palkhu
SAMBRIAL
UGOKE
SIALKOT
Nallah Aik
BALOCHAK
RAIPUR
THAKKARHASPAL
SALHANKE
PAKKIGARHI
BEGAWALA
BHOPALWALA
KANDAL
KINGRE
BHOLAMUSA
JANDO
AMOTRA
SAHOCHAK
CHAWINDA
DASKA
JANDOKE
SEOWAL
LORRIKKI
NAIKOTLI
BUDHAGORAYA
PASRUR
BINNO
CHICHHARIALI
GHAKRI
Nullah pali
THATTAUMRA
DHODHA
BHAGATPUR
KOTGONDAI
QILAKALARWALA
N
W
E
S
0
8
16
24
32
Kilometers


Hazard Map of Sialkot
Total Flood Affected Mouzas: 327
Highly Vulnerable Mouzas: 173
Low Vulnerable Mouzas: 154
Legend
District
Localities
Railway Line
Airport
Water Channels
Roads
River
Tehsil
Flood Extent 2014
74°20'0"E
74°30'0"E
74°40'0"E
74°50'0"E
32°50'0"N
32°40'0"N
32°30'0"N
32°20'0"N
32°10'0"N
GUJRAT
GUJRANWALA
NAROWAL
Chenab River
Sambrial
Sialkot
Daska
Pasrur
Airport
KUNDAL
KALIAL
CHANOR
KHALILPUR
SARHALI
RAN
CHAPRAR
DUNGARPUR
MARAKIWAL
BHIDAR
JBAI
PATESAR
BURJICHANDASINGH
Nallah Palkhu
Nallah Bhed
SIALKOT
SAMBRIAL
UGOKE
PAKKIGARHI
BALOCHAK
Nallah Aik
RAIPUR
THAKKARHASPAL
SALHANKE
BEGAWALA
BHOPALWALA
KANDAL
KINGRE
BHOLAMUSA
JANDO
AMOTRA
SAHOCHAK
CHAWINDA
DASKA
JANDOKE
SEOWAL
LORRIKKI
NAIKOTLI
BUDHAGORAYA
PASRUR
BINNO
CHICHHARIALI
CHAKRI
THATTAUMRA
Nullah Daik
DHODHA
BHAGATPUR
KOTGONDAI
QILAKALARWALA
N
W
E
S
0
8
16
24
32
Kilometers

ESTABLISHMENT OF CONTROL ROOM

- The District Flood Control Room shall be established on 15th of June every year in the office of the Additional Deputy Commissioner (R), Sialkot who shall be the District Flood Relief Officer.
- It shall be supplied land line Telephones with numbers 052 9250591, Wireless set, Fax Machine, Photocopy Machine, Television and Computer with Printer & internet facility.
- It shall be functional 24 hours. Duty roster shall be issued before15th of June every year by the District Flood Relief Officer.
- The officials deputed for duty shall be given training by the DFRO about their role and duties on 1st June every year.
- The foregoing arrangements shall also be made on the similar pattern at offices of the Assistant Commissioners officers who shall be Tehsil Flood Relief Officers.
- In normal situation Information regarding discharge position of River Chenab and all Nullahs in the District shall be received twice a day.
- In case of any potential threat or emergency, frequency of information shall be increased.
- The following departments shall also establish their Departmental Flood Control Rooms on the similar pattern.
    - District Council
    - Muncipal Corporation/Committees Sialkot, Pasrur, Daska & Sambrial
    - District Police
    - Rescue 1122
    - Irrigation XEN (s) Marala & Pasrur link Divisions.

Coordination Organogram (including Sector lead agencies/departments, Military, NGOs and Volunteers)



DDMA (composition, functions and responsibility)

DDMA Comprising of the following:

Deputy Commissioner - Chairman
DEO Rescue 1122 - Secretary
Members: ADCR, All ACs, All Chief Officers DC/MCs, All CEOs, All XENs, All DDs.
Functions and Responsibilities.

I. Prepare a disaster management plan including district response plan for the province.
II. Co-ordinate and monitor the implementation of the National Policy, Provincial Policy, National Plan, Provincial Plan and District Plan.
III. Ensure that areas in the district vulnerable to disasters are identified and measures for the prevention of disasters and mitigation of its effects are undertaken by the departments of the Government at the district level as well as by the Local Authorities.
IV. Ensure that the guidelines for prevention, mitigation, preparedness and response measures as laid down by the National Authority and Provincial Authority are followed by all departments of the government at the district level and local authorities in the District.

Disaster Management Coordination Centre/Control Room (functions and responsibilities)

The Following whould be the Mechanism:

I. The control room is the nodal center in terms of disaster management.
II. To monitor, coordinate and implement the actions for disaster management.
III. To ensure an information system on a routine basis from the District Heads of Departments on the vulnerability of various blocks and villages.
IV. To make arrangements for dissemination of information to all vulnerable places.
V. To report the ground situation and the action taken by the District Administration.
VI. To have a list of all personnel and trained persons who could be contacted at any time.
VII. To organize post disaster evaluation.
VIII. To develop liaison with the operation center. Site operation center is the center in the disaster site to be set up
IX. Coordinating among respose and rescue department for timely rescue and reporting to Govt. / PDMA for additional rescues.
X. To organize post disaster evaluation.

Civil-Military Coordination Mechanism

The ADC (G) will coordinate with Army Units for any possible assistance needed for disaster response under approval from the DC/Chairman DDMA.

Volunteer Network

Volunteers Management System is as under:

i. Civil Defence, 400 volunteers Coordinating thier Civil Defence Officer Zafar Butt, Cell: 0301-6223264

ii. Rescue 1122, 50 Volunteers on call coordinating Mr. Muhammad Safian (LFR) Contact# 0300-7778463

RISK ANALYSIS

1. Potential hazards of the district

Hazards	Likelihood (Score 1-5)	Impact (Score 1-5)	Risk
Floods	5	5	25
Urban Flooding	5	5	25
Cross Border Firing	3	3	9
Flash Floods	0	0	0
Hill Torrent	0	0	0
Glacial Lake Outburst Flood (GLOF)	0	0	0
Landslide	0	0	0
Tornado	1	2	2
Earthquake	2	2	4
Drought	1	1	1
Epidemic	1	1	1
Fire Incidents	2	2	4
Other Major Accidents (Building Collapse, road traffic accidents, train accident, Stampede, plane crash)	2	2	4
Environmental Hazards (industrial accidents, severe pollution etc.)	3	3	9

Risk = Impact x Likelihood
Low : 1-7
Medium : 8-14
High : 15-25

2. Hazards

Tornado 2011
1. Deaths 06
2. Injured 38
3. Affected Persons 1,257
4. House Damaged 164

Flood-2014
1. Village Affected 971
2. Deaths 42
3. Injured 03
4. Calttle Loss 123
5. Crops Affected 22231 Acres
6. Roads Damaged 208
7. Houses Damaged 2576

Flood 2016
1. Village Affected 38
2. People Affected 25000
3. Deaths 04

PREPAREDNESS

I. Identification of areas likely to be affected

All **AC's** shall identify the areas that were affected during the last flood as well as that are likely to be affected and send lists about all such areas to District Flood Relief Officer before 30 April.

The following areas, which had been affected during previous floods, are likely to be affected.

I. Tehsil Sialkot

a) River Chenab

River Chenab enters in District Sialkot at Akhnor and Rivers Manawar Tavi and Jammu Tavi contribute their water few kilometers upstream Marala Barrage. The flood water passing through Marala Barrage affects the downstream areas on south eastern side of the river mostly comprising the area of tehsil sambrial. However, at the joining point of Jammu Tavi flood water also affects areas of sikka, Bella, Gangwal, Papeen, and Wadran Bella upstream Marala Barraege.

Nadala enclave, where River Chenab and Munawar Tawi converge, many villages including Nadala, Machola, Bhak \ lial, Hial Minhasan, Simbli Rai, Salepur, Bhatwal, Maheel, Jhumian Dallalan, Ikramabad, Khoonjpur, Beli and Rasulpur are affected.

b) Jammu Tavi:

Villages across the LMB of Chaprar area, the whole of Bajwat area and areas along LMB downstream Saipur Bridge and Saidpur-Bajwat Road on northern side of the bridge etc.

C) Nullah Aik

Though the Irrigation Department has constructed three protection bunds namely Mally Chak, Hajipura and Nekapura Bunds to save the city. Nullah Aik overflows at many points. This water affects syedanwali, Raipur, Gopal Pur, Rasul Pur, Lalokay in southern side affects the villages Daburji Arayan, Shafi Da Bhatta, Lakhan Pur, Chhawani Sulehrian, Kotli Hernarayan, Praag Pur, Kot Mandian wala, Gunna Khurd, Hamza Ghus, Nawann Pin, Alhilal Colony, Pakki Kotli and Sadra Badra after t he nullah Aik entering into the city overflow at Naka pura and contributes to the flood water overflowing from pindi Arayan and affects the above-mentioned villages. It overflows at Arazi Yaqus and affects the villages Arazi Yaqus, Daburji Mallyian. It overflows at Kotli AAmeer Ali and affects Miani and Butter.

In northern Side Nullah Aik overflow at the point of Aalo Chak and affects the villages of Aalo Chak and Areas of city. It over flow at the point of Bogrra and affects the area of Fateh Garh, industrial Ara and Adjining Areas. It overflows at shatab Garha and affects the villages of Gaunjianwali Rohail Garrha, Dhuuny, Laodhray, Kohr wali, Dogranwali, Adalat Garrah, Dhattal Khurd, Jalyai wali, Neeram and Dul cheek ay.

d) Palkhu Nullah

Nullah Palkhu also spills over during rainy season and affects villages Nawanpind, Jhatta, Kapoorwali, Chiiti Skeikhan, Jaurian, Bhagwal Awan, Kotli Tailian, Ghansarpur and some portion of Kotli Loharan (West), Kotli Mughlan, Baqar Pur and Kot Karim Bakhash.

e) Nullah Bhaid

Nullah Bhaid is a narrow channel passing East-West through the middle of the city Sialkot. It has a very limited capacity for flow of water. Heavy rains in the sub-urban areas on the eastern sideof the city as well as in the city cause it to overflow. It results in flood in the adjoining areas. It affected the following areas in flood 2014. It over flow near lungrianwali and affets the villages of lungrianwali and Kakey wali. It alos affect the lorry Adda Road, Khawja Safder Road, Khadim Ali Road, Model Town, Kotli Behram, Iqbal Town, Miana Pura, Pakka Garha, Mag Town, Murad Pur and Malkay Kalan.

II. Tehsil Daska

Area between River Chenab and UCC and low-lying area on the eastern side of Marala Ravi Link gets flooded due to stoppage of water by high embankments of Marala Ravi Link. A total area of about 39,100 acres is affected.

a) At village Uddowar and Pandorian, water is stopped due to non-existence of siphons. This water accumulates mainly due to rains.

III. Tehsi Sambrial

a) At Pasia and Umarkay, bank of UCC block the water, which gradually accumulates and inundates vast area. One of the existing siphons has been plugged on technical grounds while the other is working.

b) Overflow in Nullah Palkhu and river Chenab inundates Majra Kalan, Majra Khurd, Kaulokey, Umerkey, Thatha Moosa, Kartarpur, Randhir, Hussain Pur, Pir Kot, Duburji Chanda Singh, Kishan Garh, Mast Garh, Kot Dina, Kot Malian, Kot Inayat Sahianwala etc villages in Tehsil Sambrial.

IV. Tehsil Pasrur

Area affected in Pasrur Tehsil spreads over both sides of Deg Nullah as also some areas on eastern side of M.R. Link, Totaling about 4940 acres.

- Village situated in bed and on bank of Deg Nullah is usually affected. They include Khalil Pur, Kishanpur, Kot Virk, Haft Hanjlies, Kang, Kassowal, Bagh, Begampur, Bhikhikay, Mian Cheema and Makhanpur.
- Mohallah Kot Kuba, Grain Market, Mohallah Bahadur Pura and Normal School in Pasrur city. Ban Bajwa and Adamkay Nagra near M.R. Link are affected where canal had to be cut in the past in order to save village inhabitants.
- Area lying across M.R. Link near Bhalial is also threatened.

- Total acreage likely to be affected in Sialkot district comes to **74,040.**

V. Communication Systems Likely To Be Affected

The Following roads and railway lines etc. are likely to be affected by floods: -

a) Roads

i. Sialkot-Daska Road by Nullah Aik, at Haji Pura.
ii. Sialkot-Eminabad Road by Nullah Aik, near Behari colony.
iii. Sialkot-Pasrur Road by Nullah Aik near Bhieko Chhor.
iv. Sialko-Ugoki Road by Nullah Aik, near Ugoki.
v. Gondal-Chaprar Road by Tawi-near Chaprar.
vi. Saidpur-Phuklian Road by Nullah Deg, near Chak Khoja.
vii. Pasrur-Chawinda Road by Hassri & Deg Nullahs near Lappaywali/ Mattike.
viii. Pasrur-Daska Road by Hassri & Deg Nullahs near Kotli Bawa Faqir Chand.

b) Railway Lines

i. Railway line between Sialkot & Gunna Kalan stations Jodhay Wali.
ii. Railway Line between Alhar Chawinda stations Chawinda.
iii. Railway line between Chawinda and Pasrur stations Malopatial.

3. Humanitarian Consequences

Tornado 2011
1. Deaths 06
2. Injured 38
3. Affected Persons 1,257

Flood 2014
1. People Affected 95,000
2. Deaths 42
3. Injured 03
4. Calttle Loss 123

Flood 2016
1. People Affected 25,000
2. Deaths 04

Cross Border Firing 2,018
1. Deaths 13
2. Injured 49

4. Response & Operational Capacity

* All District relief and rehabilitation teams will show response.
* All CEOs, DDs will be standby with their teams.
* At Tehsil Level ACs, Chief Officers-MCs, Assistant Directors of all departments will join hands humanitarian crisis management

5. Strategic Reserves

Sr#	Items	Available
1	Boats	36
2	De-watering sets	121
3	Electric De-Watering Sets	03
4	Life Jackets	496
5	Life Ring	406
6	Life Lines	05
7	Scuba diving suit	06
8	First Aid Kits	42
9	Ambulances	17
10	Fire Vehicle	10
11	Water Tanks / Boozers	11
12	Hydraulic Cutter	01
13	Tractor with Bucket	01
14	Sucker Machine	07
15	Tractor/Trolleys	41/30
16	Searchlight	148
17	Tent	762
18	Mini Tent	200
19	Mosquito Net	395
20	Plastic Mat	252
21	Blanket	126
22	Generator Sets	05
23	Gas Cutter	01
24	Jetting Machine	02
25	Quilts	408
26	Mattress	183
27	Rain Coats	28

6. Gaps and Constraints

* Lack of transportation system from the areas likely to be affected.
* Non availbility of 4x4 vehicle to move the senior management to the affected areas during flood.
* Non availability of trucks which could carry boats and rescue to the effected areas.
* Shortage of man power with rescue 1122 to under take flood rescue operation while containing their other regular rescue services/operation.

MITIGATE STRATEGY

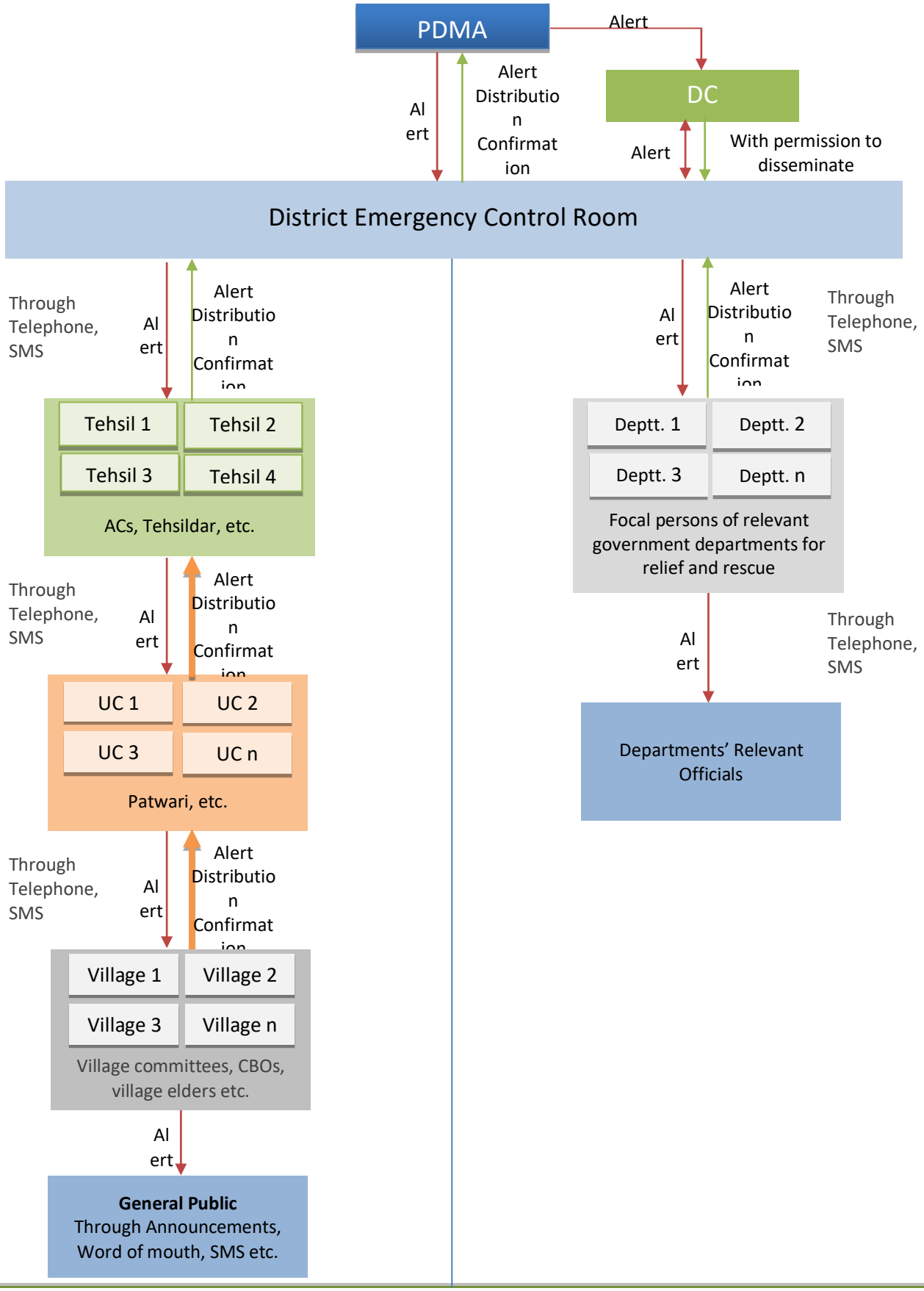
- ✓ Briefly describe what measure could be taken to reduce the impact of the potential disasters.
- ✓ Strategic pre-positioning of available relief stocks
- ✓ Public education and community awareness

Hazards	Mitigate Actions	Responsible Department
Floods	• Desilting section widening and channelization of Nullahs and drains. • Repair and strengthening of bunds and embankments. • Maintenance of inlets penstocks of disposal stations. • Culverts, water ways, small bridges on highways road	• Irrigation, District Council. MC S • Irrigation, PHE • Irrigation, PHE • C & Works
Cross Border Firing	• Relocation of people residing near border • Construction of Bunkers	• District Administration • Pak Army
Urban Flooding	• Clearance of encroachments • Clearance for desilling and drains / sewerage	Muncipal Committees/Corporation
Flash Floods	N/A	N/A
Hill Torrent	N/A	N/A
Glacial Lake Outburst Flood (GLOF)	N/A	N/A
Landslide	N/A	N/A
Tornado	• Capacity building of citizen rescue service.	Rescue 1122
Earthquake	• Capacity building of departments • Community training • Response strategies • Construction of earthquake resistant infrastrscture	• Rescue 1122 • DDMA • Building Department
Drought	N/A	N/A
Epidemic	• Preventive measures • Spray of insecticides • Public awareness	• Health / MCs • Helath / MCs
Fire Incidents	• Capacity building of stack holders • Effective response system	• All Dept. • Rescue 1122
Other Major Accidents (Building	• Ban on underage rikshaw drivers • Deployment of Trafic warden on all major chowks.	City Traffic Police

Collapse, road traffic accidents, train accident, Stampede, plane crash)	• Action against dangerous buildings	District Council/MCs
Environmental Hazards (industrial accidents, severe pollution etc.)	• Installation of industrial waste treatment plant • Establishment of Tennary Zone far from Urban Area • Establishment of Industrial Zone	DO Industries

EARLY WARNING

Information Flow Diagram



EARLY WARNING AND EVACUATION

EARLY WARNING AND COMMUNICATION SYSTEM OF DISTRICT FLOOD CONTROL CENTER

- The Flood Control Center shall receives direct warning from the Provincial Disaster Control Lahore.
- It shall processes each information and transmit it to the Tehsil to which it relates.
- Everything contrary to normal shall immediately be communicate to

I.The Deputy Commissioner at his numbers;
Office: 9250451, 52
Residence: 9250454, 55
Cell No: 0304-0920065
II. ADC (G):0345-5195213
III.ADC (R) District Flood Relief Officer: 9250466,0332-9992117
IV. The District Emergency Officer at 1122 and 9250260 cell 0301-8616077
V. Assistant Commissioner concerned at follwoning numbers
AC Sialkot: 9250468. 0300-6319242
AC Daska: 9200115, 0331-6536558
AC Pasrur: 6443566, 0336-1484749
AC Sambrial: 6524032, 0333-7742462

- On receipt of warning, they will convey it to the local population through the revenue Field staff.
- The local population shall be warned about the approaching flood.

RESCUE STRATEGY

i. Strategic Command will be done by the Deputy Commissioner being the Chairman of District Disaster Management Authority (DDMA) and District Emergency Board (DEB)

ii. The main focus of strategic command will be to establish the priorities and strategy for managing the flood situation and to supply the resources to deal with it.

iii. Strategic Command has established a clear and unambiguous command structure based upon the experiences of previous years, Geographical Condition of District, unpredicited Climatic changes, resources held and future challenges.

vi. A key function of Strategic Command will be to predeploy rescue and flood management Resources to District and Tehsil level Rescue Teams.

v. Joint meetings of DDMA and DEB will be held before start of Flood season to review the preparation for the flood season, identify the resource gap/short comings and ensure timely completion/procurements.

HUMANITARIAN ASSISTANCE

* All concern department will provide damages / loss reports
* DDMA shall prioritize need.
* Rescue 1122, Civil defence, MCs and Health Department will provide help in the respective areas of responsibility.
* DDMA will be facilitating & monitoring the humanitarian assatant.
* All correspondence will be made through DC in coordination with all departments in the District.
* 22 relief camps will be established by the district aministration with coordination of local administration

DEPARTMENT WISE OPERATIONAL PLANS

Disaster Management Services

I. Health Department Service

- The CEO (Health) shall be the incharge of these Services.

❖ Functions

- He shall cause to be prepared flood contingency plan pertaining to health department by 31st March every year.
- The CEO (Health) shall purchase complete emergency medicine by 30th April every year. All flood emergency related medicines shall be purchased in sufficient quantity.
- The DHO shall notify Health & Nutrition Coordination Committee comprising;
    - ❖ DHO Sialkot
    - ❖ DDHO Health Sialkot,
    - ❖ DDHO Health Daska,
    - ❖ DDHO Health Pasrur,
    - ❖ DDHO Health Sambrial,
    - ❖ CDCO,
    - ❖ DSV,
    - ❖ DSI,
    - ❖ Director DHDC,
    - ❖ IRMNCH Programme,
    - ❖ UNO
- The Health & Nutrition coordination committee shall hold meetings on weekly basis.
- The CEO (Health) and DHO shall arrange deficient stock of logistics supplies till 15th June. (Tents, Medicine stock)
- The CEO (Health) will nominate NGOs / CBOs who shall be helpful during flood till 2nd Week of April.
- The CEO (Health) and DO (H) shall ensure the supply of logistics and medicine stock at designated points till 20th June of every year.
- The CEO (Health) and DHO shall arrange orientation training of Medical Officers and paramedical staff about flood relief camps and disease reporting till 2nd well of June.
- The CEO (Health) shall review all these preparations till 04th week of June.
- On 1st July District Epidemic Response Team (DERT) will be activated by the DHO.

- From 1st July disease reporting shall be done on weekly basis.
- When flood emergency shall be declared, Mode of reporting shall be changed over to daily basis.
- Vaccination of Children EPF focal person
- Dengue control and Surveillance CDCO
- Distribution of Aqua Tab. L.H.W, L.H.S AND SHNS.
- Distribution of Mosquito Nets CDCO.
- Hospitalization of serious cases.
- Establishment of emergency dispensaries for first and medical care to those suffering injuries or illness as a consequence of disaster.
- Organization of mobile medical teams to cover remote areas or points where access is difficult.
- Adoption of preventive and curative measures to prevent occurrence and to stop spread of epidemics & other disease.
- Assistance in maintaining sanitary conditions in the disaster area.

II. WELFARE SERVICES

The ADC (G) shall be the incharge of these Services.

❖ Functions

- Co-ordinate with other Disaster Services and with aid giving agencies, including acceptance and distribution of donations in kind.
- To give aid and alleviate the miseries of the persons affected from the catastrophe and to look after the welfare of affected.
- Make an immediate survey of the disaster area and make a list of victims, individuals and families.
- Provide food and other basic necessities to victims on individual or family basis during the emergency period.
- Establish immediate Emergency Mass Feeding.
- Assist in the evacuation of population from danger zones in order to shift them to safer places.
- Establish, administer and supervise Relief Centers in schools, Municipal Buildings, tents, etc as a temporary shelter to homeless victims.
- Record the hospitalized, the dead, the injured and missing persons.
- Attend to Local and International Welfare inquiries about persons in disaster areas.
- Help disaster victims in establishing contacts with relatives and friends outside the affected area.
- Refer cases of victims, individuals and families to appropriate agencies for rehabilitation etc.
- Answer inquiries as to whereabouts of missing persons.
- Assist in location of family members of victims, facilitate reunion of dislocated families.

- Provide useful knowledge and skills to victims to help them in their return to normal living.
- Arrange activities to meet the diverse needs of disaster victims.

III. SECURITY SERVICES

- These services shall be under the direct charge of the District Police Officer, Sialkot in order to maintain peace and order and protect life and property in the disaster area.
- The Assistant Commissioner and DSP shall assist him in his task at Tehsil level.
- There shall also be a Liaison Officer from the Army included in these Services.

❖ Functions

- Establish security post at the temp. Relief camp.
- Maintain peace and order
- Enforce Law & Order.
- Apprehend/Arrest law violators
- Protect evacuated inhabitants and stocks of resources.
- Facilitate disaster operations by controlling the movement of the individuals.
- Handling the bodies of deceased persons.
- Detect and prevent disaster.
- Carry out initial rescue and survey operations
- Assist in saving lives and property
- To establish temporary Police Check Posts at the vulnerable points to stop the cuts / breaches on the left banks of Canals as given below: -
    - Jhatta on M.R. Link
    - Ganjianwali on M.R. Link
    - Ban Bajwa on M.R. Link
    - R.D 30-31 Daska on B.R.B
    - R.D 84-85 Veerwala on B.R.B
- He will direct traffic and plan alternative road conection.

IV. TRANSPORTATION SERVICES

- The Secretary RTA shall be the Head of these services;

❖ Functions

- This cell, in addition to the existing Transport shall also requisition vehicles from other Departments and public sector.

- Ensure adequate supply of POL for all transport in use of all departments especially the emergency response services.
- Manage, direct and control all available transportation facilities and ensures their appropriate and efficient utilization in the disaster area.
- All requests are to be forwarded to the transportation service in the following cases:
    - Evacuation from the area under threat.
    - Transportation of the affected population from the temporary relief camps to the permanent relief camps established in the school buildings.
- Prepare list of persons to be contacted for provision of Transport.
- Constitute Teams to bring transport in line.
- Tehsil wise acquisition & utilization of the transport.

V. AGRICULTURE DEPARTMENT SERVICES

- The Deputy Director (Agriculture) shall be the incharge of these Services.

❖ Functions

- They shall help the Irrigation Department in the supply of earth moving machinery for bund protections.
- Supply of seed for sowing of crops.
- Assist farmers on preparation and sowing of crops.
- Provide fertilizers and agricultural implements on loan basis.

VI. LIVE STOCK & DAIRY SERVICES

- The AD (Live stock) shall be the incharge of these services:

❖ Functions

- The AD (Live Stock) shall start pre-flood vaccination w.e.f 1st May every year throughout the District that shall continue upto 15th May every year.
- Vaccination against H.S., Foot & Mouth, Entro Toxemia, pleuropneumonia and N.D.
- The AD (Live Stock) shall issue duty roster to this effect by 31st March every year.
- Rescue live stock in coordination with other departments.
- Establish veterinary camps.
- Arrange all necessary medicine
- Treatment of Animals

- Provision of fodder and Wanda

VII. CIVIL DEFENCE SERVICES

- The Civil Defence Officer shall be the incharge of these Services helped by 400 volunteers.

❖ Functions

- He shall issue duty roster assigning duties of volunteers in case of flood emergency.
- He shall ensure issuance of flood warning through his volunteers in case of likelihood of flood.
- He shall arrange training of the volunteers with a special focus on warning, rescue and relief activities pertaining to flood emergency in the month of April every year.
- The volunteers shall also be imparted first Aid Training including artificial respiration, treatment of snake biting and emergency method of rescue.
- He shall conduct search and sweeping through Bomb Disposal Squad in case of any suspicion.

VIII. COMMUNICATION SERVICES

- The District Police Officer shall supervise the communication system at the District level.

❖ Functions

- They shall ensure that all the telephone connections and wireless sets are in working order during emergency period.
- It shall also connect strategic points with the nearest telephone exchange or through wireless connection.
- Director Telephones Sialkot shall ensure that the telephone numbers of important departments are always in working condition especially those given in attached List.

IX. ENGINEERING (MECHANICAL) SERVIES

The Assistant Agriculture Engineer shall be incharge of these services:

❖ Functions

- Provide machines and material for repair of bulldozers and tractors working on bunds.
- Establish workshop near the vulnerable points.
- The bulldozers of Agriculture Department shall be utilized for the strengthening of canal banks and to improve the flow of water through siphons.

X. FOOD SERVICES

- The District Food Controller shall be Incharge of these Services.
- He shall be assisted by his Assistant Food Controllers.

❖ Functions

- He shall ensure that adequate stock of Aata is available in the District.
- He shall prepare a plan for special ration depots at the strategic places.
- He shall organize mobile depots.

VIII. FOREST DEPARTMENT

The Divisional Forest Officer shall be the incharge of these services.

❖ Functions

- Shall provide "ABKALANI" material and assist the patrolling of bunds. He shall provide places for flood affected cattle-heads.

X. INFORMATION SERVICES

The District Information Officer shall be the incharge of these services.

❖ Functions

- He shall ensure that news media and the public receive correct information and warning messages.
- He shall plan and arrange the visits of newsmen to the flood affected areas in district Sialkot.

XI. IRRIGATION & POWER SERVICES

This department consists of the following members:

- Executive Engineer, Marala Barrage.
- Executive Engineer, Pasrur Link Division
- Executive Engineer, Rachna Division, Narowal
- Executive Engineer, U.C.C Gujranwala
- Executive Engineer, Drainage Division, Lahore
- Executive Engineer, Bund Division Lahore.

❖ Functions

- The department shall supervise, direct and control bund protection activities,
- Desilting of all syphones and inlets of UCC and MR Link.
- It shall also control various canals in the District.
- The XEN Pasrur Link division shall establish two emergency depots on the bank of Nullah Palkhu, Nullah Aik & Nullah Deg containing sand bags, poles etc. to cover the breach in the right bund of Aik.
- XEN Pasrur Link shall further deploy staff on Nullah Palkhu, Nullah Aik, Nullah Deg M.R. Link and UCC to keep vigilance and to act in case of emergency especially at sites of possible breaches.
- XEN Pasrur Link shall also be responsible for the breach through escape channel at the both side bank of the M.R Link to save the structures of the canal.
- XEN Marala shall br responsible of bund protection activities of River Chenab, Jammu Tavi & Minawar Tavi

- XEN Rachna Division shall establish emergency depots on the bank of Nullah Deg containing sand bags, poles etc. to cover the breach in the District Sialkot area.

XII. WAPDA-POWER SUPPLY SERVICES

the Superintending Engineer, WAPDA, Sialkot shall be the incharge of these services, assisted by his XENs in the districts.

❖ Functions

- He shall make lighting arrangements on the bunds for night patrol and protection activities.
- He shall also ensure orderly and regular power supply throughout the district in disaster emergency.
- He shall also establish emergency control room with telephone and mobile staff and shall work round the clock.

XIII. DISTRICT COUNCIL SERVICES

Chief Officer will be the incharge of these services within its respective area.

❖ Functions

- Establish emergency flood center of their organization with staff working round the clock.
- They shall keep the dewatering set in working condition.
- Drain stagnant water from low lying areas.
- Provide food and other basic necessities.
- They shall conduct survey of dangerous buildings.
- They shall further desilt the sewerage and open drains to help the drainage of flood and rain water from the affected area.
- The District Officer (I&S) shall provide potable water in affected areas and in relief camps.
- The District Officer (I&S) shall keep in hand adequate stores of spare parts, etc. for repair of necessary machinery and equipments.
- He shall also ensure that adequate supplies are available for chlorination of drinking water.
-

XIV. MUNICIPAL CORPORATION SERVICES

Chief Officer will be the incharge of these services within tehsil Sialkot.

❖ Functions

- Establish emergency flood center of their organization with staff working round the clock.
- The Chief Officer MC, Sialkot shall establish two flood emergency centers at following points:
    - Fire Brigade center Kutchery Road Sialkot.
    - Khawaja Safder Memorial Municipal Hospital
- They shall keep the dewatering set in working condition.

- Drain stagnant water from low lying areas.
- Provide food and other basic necessities.
- They shall conduct survey of dangerous buildings.
- They shall further desilt the sewerage and open drains to help the drainage of flood and rain water from the affected area.
- The Muncipal Officer (I&S) shall provide potable water in affected areas and in relief camps.
- The Muncipal Officer (I&S) shall keep in hand adequate stores of spare parts, etc. for repair of necessary machinery and equipments.
- He shall also ensure that adequate supplies are available for chlorination of drinking water.

XV. MUNICIPAL COMMITTEES SERVICES

Chief Officers shall be the incharge of these services within their respective tehsils.

❖ Functions

- Establish emergency flood center of their organization with staff working round the clock.
- They shall keep the dewatering set in working condition.
- Drain stagnant water from low lying areas.
- Provide food and other basic necessities.
- They shall conduct survey of dangerous buildings.
- They shall further desilt the sewerage and open drains to help the drainage of flood and rain water from the affected area.
- The Muncipal Officer (I&S) shall provide potable water in affected areas and in relief camps.
- The Muncipal Officer (I&S) shall keep in hand adequate stores of spare parts, etc. for repair of necessary machinery and equipments.
- He shall also ensure that adequate supplies are available for chlorination of drinking water.

XVI. ARMY SERVICES

The ADC (G) shall be the Liaison Offices of Civil Administration for liaison with the Army. The 104 Brigade shall nominate Liaison Officer for liaison with the Civil Administration. If help of the Army is required, they shall assist in rescue and evacuation operations, as also provide transport and communication facilities and assist the Irrigation authorities in bund protection.

XVII. XEN HIGHWAYSS

He will depute staff at important bridges and roads for maintenance.

He will arrange machinery for reapir of breaches in roads for provision of relief and during evacuation,

He will arrange desilting in culverts and water ways on provincial and district roads

XVIII. DISTRICT NAZIR

District Nazir to keep account of expenditure of field operations during emergency and to cater to funds authorised by DDMA.

BREACHING SECTION OF HEAD MARALA WORKS

As per notification of Irrigation Deprtment, Govt. of Punjab dated 15-07-2017, the SOP for breaching section and all instructions from Federal Flood Commission, the following procedure will be followed;

1. Maintinence and operation of breaching section at Head Marala shall rest with Irrigation Department i.e. XEN Irrigation, Marala Devision.
2. Breaching section will be operated on orders of following committee;
    i. Deputy Commissioner, Sialkot (Convener)
    ii. Deputy Commissioner, Gujrat or his representative (in a case area affected falls outside the district in which breaching section is located).
    iii. Executive Engineer, Irrigation, Marala Division.
    iv. Executive Engineer, Highway Division, Sialkot.
    v. Rep. of Pakistan Army not below rank of Lt. Colonel.

3. The decision to operate a breaching section shall be taken by the committee keeping in view the technical advice of the Executive Engineer concerned of the Irrigation Department. In case of any difference of openion among the members, the final decision shall rest with the Deputy Commissioner, Sialkot.
4. The District Police Officer of Sialkot and Gujrat will deploy sufficient force to clear 01 KM area from both sides of breaching section.
5. The Civil Defence team be deployed to keep people/traffic at safe distance from breaching section.
6. XEN Irrigation will keep 04 number of 4x4 trucks ready for transport of explosives.
7. The explosives will be procured by Irrigation Department and all necessary equipment for breaching section should be kept in stock well in advance.
8. AC Sialkot will keep close liason with officer incharge of 01 Engineer for logistic support and coordination in case of emergency.

ANNEX I: LIST OF VILLAGES LIKELY TO BE AFFECTED BY CROSS BORDER FIRING

Tehsil Sialkot

Sr. No.	Name of Village	Population
1.	Umranwali	600
2.	Joian	900
3.	Bheelowal	450
4.	Khokhar	600
5.	Chandar	300
6.	Sohanday	400
7.	Karloop	3000
8.	Wahgran	2500
9.	Ghari Boora	1000
10.	Tongar	900
11.	Jhang	1300
12.	Chak Poondara	1000
13.	Khairi	600
14.	Riyal	300
15.	Looni	350
16.	Sakhyial	700
17.	Dheera	650
18.	Kundal	450
19.	Badasar	350
20.	Kachi Mand	1000
21.	Bali Pur	700
22.	Batooli	500
23.	Sahoonti	600
24.	Marwal	300
25.	Chak Now	300
26.	Chanor	700
27.	Janglora	500
28.	Gadial	300
29.	Kotli Dil Pattian	550
30.	Kakran	1100
31.	Diyawara	600
32.	Bajwal	650
33.	Jog	350
34.	Kalian	400
35.	Dhankot	200
36.	Thathi Kalan	1000
37.	Thathi Khurd	700
38.	Mindarwal	1500
39.	Mahal Taijar	700
40.	Meehal	800
41.	Kundan Pur	1600
42.	Kajlial	800
43.	Vance Uncha	800
44.	Vance Neewan	700
45.	Changa	700
46.	Taho	750
47.	Asu Mehta	600
48.	Kurar	600
49.	Chani Asran	900
50.	Banoot	500
51.	Sagar Pur	1300

52.	Romal Juttan	950
53.	Punuwal	1000
54.	Chaprar Khas	2000
55.	Chaprar Bala	2500
56.	Salehpur	900
57.	Jummian Dalalan	600
58.	Batwal Kalan	500
59.	Batwal Khurd	500
60.	Madi Pur	1500
61.	Nand Pur	800
62.	Dhool	650
63.	Ghog	700
64.	Haraspur Malany	700
65.	Kaseery	1000

Tehsil Pasrur

Sr#	Name of Village	Population
1	Khanoor	1300
2	Mahal Kotli	920
3	Mahal Langay	300
4	Sangial	2500
5	Sarial	830
6	Bhullay	480
7	Bahlad Pur	1034
8	Mahal Tigra	578
9	Said Nial	1561
10	Khadral	1477
11	Merajkay	2098
12	Kotli Khawaja	60
13	Ladha Kang	350
14	Khokhar Chaba	1516
15	Jhumat	381
16	Jamal Jhand	1275
17	Charwa	6251
18	Thikeriala	1367
19	Badhwal	448
20	Beeni Sulehrian	1309
21	Jarwal	1258
22	Dhamala Sajan Wala	65
23	Dhamala Hakim Wala	965
24	Markal	1175
25	Syedan Wali	20
26	Tulsi Pur	900
27	Dhamala Dhasandi Wala	80
28	Dargal	550
29	Pandori	900
30	Gandial	800
31	Rangor	1200
32	Sapwal	1100
33	Kartal	1300
34	Sojan	500
35	Dhandial	450
36	Nogran	500
37	Nakhnal	650
38	Gandial Ali Mardan	350
39	Bharthal	550

ANNEX II: LIST OF VILLAGES LIKELY TO BE AFFECTED BY FLOOD

JAMMU TAVI	
TEHSIL SIALKOT	
River Tavi	**UC Phuklain**
	i.Chao Chak
	ii.Pull Bajwa
	iii.Pindi patrara
	iv.Khojey Chak
River Tavi	**UC Kachi Mand**
	i.Tiba Merhal
	ii.Pindi Bajwa
River Tavi	**UC Chaprar**
	jhumain Dilalan
RIVER CHANAB	
River Chanab	**UC Kachi Mand**
	i.Kaliar
	ii.Khanobhau
	iii.Pipeen
	iv.Gangwal
	v.Sadarpura
TEHSIL SAMBRIAL	
River Chanab	**UC HABIBPUR**
	i.Pannu Atrari
	ii.Chak Ikhtair
	iii.Bhakrianwali
	iv,Dour
	v.R.B
	vi.Khatulia
River Chanab	**UC Randheer Bhagrian**
	i.Bhagal Ghrabi
	ii.Bhagal Sharqi
	iii.Hussain Pur
	iv.Randheer
	v.Merdakey
	vi.Chaoke Khurd
	vii.Chaoke Kalan
	viii.Kharl
	ix.Doburji Chandi Sing
	x.Pakki Gali

NULLAH AIK	
Nullah Aik	**UC Pindi Aryian**
	i.Pindi Aryian
Nullah Aik	**UC Talwara Mughlan**
	i.Alo Chak
Nullah Aik	**UC Neka Pura**
	i.Mohallah Sujehabad
Nullah Aik	**UC Habib Pura**
	i.Mohallah Hayat Pura
	ii.Babe Brian
Nullah Aik	**UC Doburji Aryian**
	i.Behri Colony
Nullah Aik	**UC Fateh Garh**
	i.Bograh
Nullah Aik	**UC Miani**
	i.Shatab Garha
Nullah Aik	**UC Adalat Garh**
	i.Adalat Garh
	ii.Muzaffar Pur
	iii.Ganjianwali Khurd
	iv.Butter
Nullah Aik	**UC. Ghuinkey**
	i.Nagoor
	ii.Talwara
	iii.Kotli Marlan
	iv.Kotli Bhago
Nullah Aik	**UC Baddoke Cheema**
	i.Baddoke Cheema
	ii.Purankey
	iii.Gadial Sharqi
	iv.Gadial Gharbi
Nullah Aik	**UC Bhopalwala**
	i.Bhopalwala
	ii.Chak Khena
Nullah Aik	**UC Ballagan**
	i.Ballagan
	ii.Dhillam
	iii.Kang
	iv.Chalokey

	v.Baryar
	vi.Waan
	vii.Ahmedabad
NULLAH BHED	
Nullah Bhed	**UC KOTLI BEHRAM**
	I.Azam Block
	ii.Rajput Colony
Nullah Bhed	**UC Model Town**
	i.Khadim Ali Road
	ii.Aamer Street
	iii.Capital Road
	iv.Mubarik Pura
	v.Ghulshan Town
Nullah Bhed	**UC Jourian Kalan**
	i.Gadray
	ii.Gandwali
	iii.Olak
NULLAH PALKHU	
Nullah Palkhu	**UC.Kamanwala**
	i.Qadarabad
	ii.Jhulki
	iii.Kamanwala
	iv.Karkhana
	UC.Ballanwala
	i.Ballanwala
	ii.Machi Khokhar
Nullah Palkhu	**UC Jourian Kalan**
	i.Nawan Pind
	ii.Chitti Sheikhan
	iii.Nangal
	vi.Ghansarpur
	UC.Jhetikey
	I.Jhetikey
	ii.Karlwali
	iii.Roopwali
	UC Kopra
	i.Dhodowal
	ii.Dhadowali
	iii.Sarankey
	iv.Dera Moj Din
	v.Ghulab Garh

	vi.Kopra
	vii.Dera Bhattian
	UC Randheer
	i.Roheela
	ii.Kotli Mughlan
	iii.Siayanwali
	iv.Pakki Garhi
NULLAH DEG	
Nullah Deg	**UC Chahoor**
	i.Chak Machana
	ii.Jabbokey
	iii.Nawaday
	iv.Kot Dhonda
	v.Kot bhonda
	vi. Pannakey
	vii.Dara Ningal
	viii.Easpur
Nullah Deg	**UC Takhat Pur**
	i.Bhangey
	ii.Dheer
	iii.Khwan Cheema
	vi.Punj Graina Bajwa
	vi.Bhond
	vii.Mian Harpal
	viii.Bhagowali
Nullah Deg	**UC Ballagan**
	i.Baryar
	ii.Peera
	iii.Bhuda Khurd
	iv.Aadokey
	v.Roopowali
	vi.Rasoolpur Kakeyaian
	vii.Bhikkakey
Nullah Deg	**UC Pejokey**
	i.Gurrar Baryar
	UC Kalaswala
	i.Mehdi Pur

ANNEX III: IDENTIFIED SITES FOR DISPLACED PERSONS

RELIEF CAMP SITES-2019 TEHSIL, SIALKOT

Sr#	NAME OF SECTOR	NAME OF SUB SECTOR	NAME OF RELIEF CAMP	ALTERNATIVE LOCATION	NAME OF SECTOR OFFICER	STAFF ON DUTY
1	Sialkot No.1	Sialkot City	1. Govt. High School No.2, Nekapura 2. Govt. Girls Degree College Hajipura	1. Govt. Boys, Jammia School, Sialkot. 2. Govt. Polite School, Sialkot	Shahid Ali, Kanungo, Habibullah, WBN Sialkot, Sec. UC Douburji Ariyan & Naikapura	All the Revenue Staff and Patwaris of the area assisted by Secretaries of Union Councils
2	-do-	Ura	1. Govt. Boys High School, Rasoolpur Bhallian	1. Union Council Office, Rasool Pur Bhallian 2. Govt. Girls Primary School, Sialkot	Javaid, Kanungo & Sec. UC Langriali	-do-
3	-do-	Ugoki	Govt. Girls High School, Adalat Garh	Govt. Boys High School, Ugoki	Muzamel Hussain, Kanungo, & Sec. UC Ugoki & Adalat Garh	-do-
4	-do-	Khambranwala	G.B.P School, Kapoorwali	Govt. Boys High School, Kala Ghumana	Muhammad Yousuf, Kanungo & Sec. UC Monger & kapoorwali	-do-
5	Sialkot No. 2	Gondal	G.B.H.S. Gondal	Union Council Office, Gondal	Muhammad Mustafa, Kanungo & & Sec. UC Gondal	-do-
6	-do-	Chak Khoja	G.B.P.S Chak Khoja	G.G.H.S. Phuklian	Muhammad Saleem Raan, Naib Tehsildar, Muhammad Shehbaz, Kanungo & Sec. UC Phulklian	-do-
7	-do-	Chaprar	G.B.H.S. Chaprar	G.G.H.S. Chaprar	Rashedudin Dar, NT, Mushtaq Ahmad, Kanungo & Sec. UC Chaprar	-do-
8	-do-	Dalowali	G.G.H.S, Dalowali	Union Council Office, Dalowali	Shabbir Hussain Patwari & Sec. UC Dalowali	-do-
9	-do-	Head Marala	G.B.H.S, Marala Colony	G.G.H.S, Marala	Waqar Ahmad Nagra, NT & Sec. UC Marala	-do-

RELIEF CAMP SITES -2019 OF TEHSIL, DASKA

Sr. No.	NAME OF SECTOR	NAME OF SUB SECTOR	NAME OF RELIF CAMPS	ALTERNATIVE RELIEF CAMP	SECTOR OFFICER	STAFF ON DUTY
1	City Daska	Gardawar or Halqa Daska No. 1	Govt. Degree College, Daska	Muncipal Stadium Daska	Tehsildar, Daska	All Patwari Halaqa Concerned
2	Daska No.2	Gardawar or Halqa Daska No. 2	Govt. Boys Primary School Gharha	Govt. Inter College Mitranwali	Naib- Tehsildar/ Reveneu officer Halqa Daska No. 2	-do-

3	Mirza Goraya	Gardawar or Halqa Mirza Ghoraya	Govt. Boys High School Ghuinke	Govt. Boys High School Bheelo Mahar	Naib- Tehsildar/ Reveneu officer Halqa Mirza Ghoraya	-do-
4	Budha Goraya	Gardawar or Halqa Bhudha Ghoraya	Govt. Boys High School Mundakey Ghoraya	Govt. Elementry School Chiyanwali	Naib- Tehsildar/ Reveneu officer Halqa Bhudha Ghoraya	-do-

RELIEF CAMP SITES -2019 OF TEHSIL, SAMBRIAL

Sr. No	Name of Sector/ Officer	Name of Sub Sector	Location of Relief Camp	Alternative Location of Relief Camp	Sector Incharge	Staff on duty
1	Sambrial	Sambrial	Govt. Islamia College, Sambrial	Office, MC Sambrial	Tehsildar Sambrial	All Patwaris Halqa concerned assisted by Secretary UC
2	Gojra	Begowala	Office UC Bhopalwala	Office UC Begowala	Revenue Officer Gojra	-do-
3	Dhanawali	Dhanewala	Govt High School Kulluwal	Govt Promary School, Dhanewali	Revenue Officer Dhanewali	-do-
4	Randheer	Randheer	Govt High School Randheer	Office UC Habibpur	Revenue Officer, Sambrial	-do-

RELIEF CAMP SITES -2019 OF TEHSIL, PASRUR

SR. No.	NAME OF SECTOR	NAME OF SUB SECTOR	LOCATION OF RELIEF CAMP	ALTERNATIVE LOCATION OF RELIEF CAMP	SECTOR INCHARGE	STAFF ON DUTY
1	Sector No. 1 Tehsil Office Pasrur	Govt. High School Thro Mandi	Union Council Office Chahoor	Govt. Primary School Ees Pur	Tehsildar Pasrur	All Patwaris Halqa concerned assisted by Secretary U.C
2	-do-	Union Council office Dhulam Kahlwan	BHU Sehowal	Govt. Primary School Sehowal	Revenue Officer Kingra	-do-
3	-do-	Govt. Primary School Bhambay	Govt. High School Sabz Kot	Union Council office Kingra	Revenue Officer Kingra	-do-
4	Sector No. 2 G.H.S Thro Mandi	Tehsil Office Pasrur	Govt. Primary School Rupo Wali	Union Council Office Ballagan	Revenue Officer Klaswala	-do-
5	-do-	Tehsil Office Pasrur	Union Council Office Soukinwind	Govt. Raza e Mustafa High School for boys Saukinwind.	Revenue Officer Soukinwind	-do-

ANNEX IV: LIST OF HEALTH FACILITIES AND THEIR VULNERABILITY TO HAZARDS

S#	Health Facility Name	Location	GPS Coordinates	Health Facility Type (CD, BHU, RHC, THQ, DHQ)	Functional/ Non-Functional	Prone to Hazard? Floods/Earthquake
1	BHU Kuthiala	U/C Habib Pura, Tehsil Sambrial			Functional	Floods
2	BHU Randhir	U/C Randhir Tehsil Sambrial			Functional	Floods
3	BHU Kot Dina	U/C Jethikay Tehsil Sambrial			Functional	Floods
4	BHU Sahowala	U/C Sahowala, Tehsil Sambrial			Functional	Floods
5	BHU Seowal	U/C Chahoor Tehsil Pasrur			Functional	Floods
6	BHU Chicharwali	U/C Chicharwali Tehsil Pasrur			Functional	Floods
7	BHU Balaggan	U/C Balaggan Tehsil Pasrur			Functional	Floods
8	BHU Dhodha	U/C Taht Pur Tehsil Pasrur			Functional	Floods
9	BHU Beni Sulehrian	U/C Charwa, Tehsil Pasrur			Functional	Floods
10	BHU Jodhaywali	U/C Pindi Arain, Tehsil & District Sialkot			Functional	Floods
11	BHU Partanwali	U/C Hundal, Tehsil & District Sialkot			Functional	Floods
12	BHU Bharth Bhoth	U/C Bhoth, Tehsil & District Sialkot			Functional	Floods
13	BHU Chauni Sulehrian,	U/C Paragpur, Tehsil & District Sialkot			Functional	Floods

ANNEX V: LIST OF VULNERABLE GOVERNMENT SCHOOLS

S#	School Name	Primary/ Middle/ High	EMIS	Functional/ Non-Functional	Enrolment	Incharge Name	Contact Number
1	GHS TI Gatialia	High	34320018	Functional	587	Shahid Hussain	0301-6151225
2	GHS Kothiala	High	34340025	Functional	439	Ihsanulhaq	0333-4288376
3	GHS Islamiya Kalaswala	High	34320023	Functional	768	Kabir Ahmad Bhatti	0300-6190211
4	GHS Khanpur Saida	High	34320011	Functional	501	Maqsood Ahmad	0301-6308959
5	GHS Majrakalan	High	34340024	Functional	636	Sarfaraz Ghuman	0334-9861189
6	GHS Christian Daska	High	34310007	Functional	1051	Ifhtihaar Cheema	0300-7433237
7	GGHS Bharth	High	34330052	Functional	829	Yasmeen kousar	0300-8632576
8	GGHSS Hundal	High	34330071	Functional	633	Naila Akbar	0300-7143507
9	GGHS Nawapind	High	34330013	Functional	933	Talat Saleem	0307-6357209
10	GGHSS Ogoki	High	34330009	Functional	2045	Shahnaaz Khokhar	0333-8682830
11	GGHS Chahoor	High	34320076	Functional	490	Sameena Saleem	0304-8150188
12	GGHS Tharo Harian	High	34320350	Functional	530	Mumtaaz Baigham	0308-6191267
13	GGHS Ghunkey	High	34310047	Functional	907	Nosheen Zohra	0300-6142368
14	GGHS Mitranwali	High	34310035	Functional	401	Azra Parveen	0334-6743407
15	GGHS Gojra	High	34310036	Functional	552	Sumaeera	0321-8633650
16	GGHS Bhagat Pur	High	34310057	Functional	457	Shumaila	0345-1425791
17	GMPS Salah Pur	Primary	34330593	Functional	87	M. Khalid	0302-4741320
18	GGPS Jhumiyan Dalalan	Primary	34330599	Functional	76	Zakia Baighum	0314-4743161
19	GGPS Bhatay Khurd	Primary	34330454	Functional	115	Noreen Akhtar	0341-3726364
20	GGPS Mahal	Primary	34330614	Functional	97	Nargis Noreen	0334-8022062
21	GMPS Kasiray	Primary	34330440	Functional	29	Iram Shahzadi	0300-0411017
22	GPS Nakhnal	Primary	34320289	Functional	261	Muhammad Saien	0335-4924896
23	GES Chahoor	Elementary	34320042	Functional	103	Shahid Hussain	0301-6149636
24	GES Kingra	Elementary	34320302	Functional	152	Zulqarnain	0306-7416637

25	GES Looni	Elementary	34330084	Functional	208	M.Shahfique	0315-7127475
26	GES PulBajman	Elementary	34330085	Functional	438	Muhammad Yaqoob	052-4003681
27	GES Sadar Pura	Elementary	34330086	Functional	144	Muhammad Iqbal	0308-6146941
28	GES Kachiman	Elementary	34330083	Functional	240	Muhammad Arif	0346-1268475

ANNEX VI: LIST OF INDUSTRIES WITH THEIR RISK LEVEL

S#	Industry Name	Location	GPS Coordinates	Risk Type (Chemical, Biological, Radiological, Nuclear)	Risk Level (low, medium, high)	Prone to Hazard? Fire/ Floods/Earthquake
1	Madina Dyeing	Pacca Garah near Old Sui Gas office, Sialkot	-	Dyeing of Cloth	Medium	Flood
2	Rizwan Rubber Works,	Sublime Chowk, Sialkot	-	Tennis Ball/ Rubber Ball	Medium	Flood
3	Manzar Rubber Works,	Haji Pura Bograh, Sialkot	-	Bladders Shell	Medium	Flood
4	Rehman Tannery	Haji Pura Bograh, Sialkot	-	Tannery	Medium	Flood
5	Aamer Lather,	Haji Pura Bograh, Sialkot	-	Tannery	Medium	Flood
6	Younas Rubber Works,	Village Bonkan Pacca Garh Sialkot	-	Rubber Parts	High	Flood
7	Ijaz Rubber Works,	Khadim Ali Road, Sialkot	-	Bladders	High	Flood
8	Karam Traders,	Roras Road Sialkot	-	Cricket Bat & Ball	High	Flood
9	Vital (Pvt) Ltd.	Kashmir Road Sialkot	-	Waiving & Dyeing Cloth	Low	Flood
10	Noor Ahmed Surgical,	Nizam Pura Ban Pathak, Sialkot	-	Surgical Instruments	Low	Flood
11	Muhammad Farooq Surgical,	Haider Town Defence Road Street No.2 Sialkot	-	Surgical Printing	Medium	Flood
12	G Star Company,	Kamela Road Sialkot	-	Bladders	Medium	Flood
13	Suboo Surgical,	Muhammad Pura Sialkot	-	Surgical Instruments	Medium	Flood
14	Asghar Tannery,	Muzaffar Pur Sialkot	-	Tannery	Medium	Flood
15	Shabbir Rubber Works, t	Kamela Road Sialko	-	Rubber Parts	Medium	Flood
16	Goraya Surgical,	Amanat Pura Sialkot	-	Surgical Rubber Parts	Medium	Flood
17	Mani Industries,	Fateh Garh Sialkot	-	Tyres & tubes	Medium	Flood
18	Al Jadeed Rubber Works,	Sublime Chowk Sialkot	-	Bladders	Medium	Flood
19	Ittefaq Rubber Works,	Chaina Chowk, Sialkot	-	Rubber Sheets	Medium	Flood
20	Adress Deying Factory,	Mohalalh Chah Lalariyan Sialkot	-	Dyeing	Medium	Flood
21	Maqbool Rubber,	Mohalah Taj Pura Sialkot	-	Tanis Ball	Low	Flood
22	Sikaf International,	China Chowk Wazirabad Road Sialkot	-	Rubber Products	Low	Flood
23	Riaz Rubber Works,	Pacca Garah Sialkot	-	Bladders	Medium	Flood

24	M. Sharif Surgical,	Mubarik Pura Roras Road, Sialkot	-	Surgical Instruments	Medium	Flood
25	Ashraf Rubber Works,	Pacca Garah Islam Nagar Sialkot	-	Bladders	Medium	Flood
26	Imtiaz Rubber,	Amanat Pura Sialkot	-	Rubber Hammers	Low	Flood
27	Ittefaque Rubber,	Muhammad Pura Sialkot	-	Bladders	Low	Flood
28	Awan Rubber Works,	Mohallah Taj Pura Sialkot	-	Tanis Ball	Medium	Flood
29	Hakeem Dyeing Factory,	Mohallah Chah Lalariyan Sialkot--	-	Dyeing & Printing	Low	Flood
30	Ping Pong Rubber Works,	China Chowk Wazirabad Road Sialkot	-	Rubber Sheets	Medium	Flood
31	Sports Zone,	Bograh Haji Pura Sialkot	-	Gloves all Sorts	Low	Flood
32	Sh. Riaz Ameen Tannery,	Haji Pura Bograh Sialkot	-	Tannery	High	Flood
33	Ibrahim Impex,	Nasir Road Sialkot	-	Hockey Sticks	Medium	Flood
34	Solatch & Sons,	Christian Town Sialkot	-	Surgical Instruments	Medium	Flood
35	Top Fleight Leather Industry,	Haji Pura Bograh Sialkot	-	Leather Tanning	Medium	Flood
36	KSN International,	Haji Pura Sialkot	-	Leather Tanning	Medium	Flood
37	Farooq Dyeing	Chah Lalariyan Sialkot	-	Dyeing of Cloth	High	Flood
38	Cliff Trading Co (Pvt) Ltd	, Nasir Road Sialkot	-	Beauty Instruments	Low	Flood
39	Ali Brto Engg. Company,	Nizam Street Kotli Behram Sialkot	-	Surgical Instruments	Medium	Flood
40	Mian Ice Factory,	Gohadpur Kotli Behram Sialkot	-	Ice Factory	Low	Flood
41	Pak Ice Factory	, Church Road Sialkot City	-	Ice Factory	Low	Flood
42	Clasico (PVT) Ltd.	Nasir Road Sialkot	-	Rubber Parts	Low	Flood
43	Shah Abad Ice Factory,	Haji Pura Road, Sialkot	-	Ice Factory	Low	Flood
44	Sheikh Abdul wahid & Iqbal Butt,	Haji Pura Sialkot	-	Tannery	Medium	Flood
45	Shan Dyeing	Roras Road/Defence Road Sialkot	-	Dyeing of Leather Cloth	Medium	Flood
46	Saleem Flour Mills	Haji Pura Road Sialkot	-	Flour Mill	Low	Flood
47	Garana Surgical,	Christian Town Sialkot	-	Surgical Instruments	Low	Flood
48	Barna International,	Roras Road Sialkot	-	Cricket Bat	Medium	Flood
49	CA Sports,	Haji Pura Bograh Sialkot	-	Cricket Bats & Kits	Low	Flood
50	Rakha Impex,	Nasir Road Sialkot	-	Tannery	Medium	Flood
51	Atlas Sports,	Nasir Road Sialkot	-	Football	Low	Flood
52	Ballon De Sports,	Nasir Road Sialkot	-	Football	Low	Flood

53	Kashmir Rice Mills,	Shahab Pura Sialkot	-	Rice Mill	Low	Flood
54	Fairmount Industry,	Kotli Behram Khadim Ali Road Sialkot	-	Surgical Instruments	Low	Flood
55	Chaudhry Ice Factory,	Gohad Pur Chowk Sialkot	-	Ice Factory	Low	Flood
56	Shahbaz Ice Factory,	Haji Pura Road Sialkot	-	Ice Factory	Low	Flood
57	Rana Ice Factory,	Ugokki Sialkot	-	Ice Factory	Low	Flood
58	Sialkot Ice Factory,	Pacca Garah Sialkot	-	Ice Factory	Low	Flood
59	Qurick Enterprises,	Harrar, Sialkot	-	Tanis Ball	Medium	Flood
60	Ghulam Mustafa Rubber Ball,	Harrar Sialkot	-	Tanis Ball	Medium	Flood
61	Technimen Aga (Pvt) Ltd.	Kashmir Road Sialkot	-	Surgical Instruments	Low	Flood
62	M.A Araian,	Kashmir Road Sialkot	-	Surgical Instruments	Low	Flood
63	EEzan Pak Industry,	Jinnah Stadium Amanat Pura Sialkot	-	Leather Jackets	Low	Flood
64	Malik Flour Mills,	Ghalla Mandi Sialkot	-	Flour Mills	Low	Flood
65	Kissan Leather	Haji Pura Bograh, Sialkot	-	Tannery, Gloves	Low	Flood
66	Spotlite Trading (Pvt) Ltd.	Nasir Road Sialkot	-	Leather Garments	Low	Flood
67	Leather Field (Pvt) Ltd.	Capital Road Sialkot-	-	Leather Garments	Low	Flood
68	Swisspo Sports,	Christian Town Sialkot	-	Leather Garments	Low	Flood
69	Hot Cake Bakers,	Kashmir Road Sialkot	-	Bakery	Medium	Flood
70	Muslim Tannery,	Khadim Ali Road Sialkot	-	Tannery	Medium	Flood
71	Medisporex Private Limited,	Nasir Road Sialkot	-	Surgical Instruments	Low	Flood
72	Azeem Mughal Surgical factory,	Sambrial Road Daska	-	Surgical Instruments	Medium	Flood
73	Awan Sports,	Shahtab Garah Sialkot	-	Sports Goods	Low	Flood
74	Almi Industry,	Pasrur Road Daska	-	Excel	Medium	Flood
75	Nawaz Golden Industry,	Sambrial Road Daska	-	Agriculture Implements	Low	Flood
76	Mughal Engineering Factory,	Circular Road Daska	-	Melting Iron	Low	Flood
77	Yousaf Ice Factory,	Pasrur Road near Masjid Ahle Hadees, Daska	-	Ice Factory	Medium	Flood
78	M.Z. Furnace,	near Family Hospital Sambrial Road Daska	-	Scissors	Medium	Flood
79	Mirza Altaf Hammer & Press Unit,	Sambrial Road Daska	-	Surgical Instruments	Medium	Flood

80	Mushtaq Auto Parts,	Circular Road Street Chicken Munch Daska	-	Auto Parts	Medium	Flood
81	Sana Ullah Press Unit,	Sambrial Road near Family Hospital Daska	-	Press Unit	Medium	Flood
82	M.R.S. Hammer & Press Unit, Hospital Daska	Sambrial Road near Family	-	Surgical Instruments	Medium	Flood
83	Naeem Industry,	Sambrial Road near Family Hospital Daska	-	Auto Parts	Medium	Flood
84	Mirza Atif Press Cutting Unit,	Sambrial Road Opposite Church Daska	-	Surgical Instruments	Medium	Flood
85	Munir Ahmed Surgical,	Sambrial Road near Family Hospital Daska	-	Surgical + Scissors	Medium	Flood
86	Haji Saeed Surgical,	Sambrial Road near Family Hospital Daska	-	Surgical Instruments	Medium	Flood
87	Sialkot Tennary Zone	Airport Road, Sialkot	-	Tennary Products	High	Flood

ANNEX VII: LIST OF NGO WORKING IN THE DISTRICT

S#	NGO Name	NGO Type (Local, National, International)	Location where they are working	Sector/Cluster of work (e.g. WASH, Health, Education)	Contact Person Name	Contact Person Mobile
1	Anjuman-e-Sheikhen	Local National	Near Qila Urdu bazar, Sialkot	Health	Sheikh Muhammad Ashraf	03008712003
2	District T.B. Association. (Chest and General Welfare Hospital	-do-	Commissioner Sialkot	Health	Rehman Shami	052-4581869 4591239
3	Allama Iqbal Memorial (Social Welfare Society)	-do-	Imam Shahib, Sialkot	Education	Iftikhar Ahmed	0300-8611410
4	Anjman-e-Mughalia	-do-	Maharaja road Sialkot	Health	Naeeem Akhter	0300-8616023
5	Khidmat Committee -	-do-	Khadim Ali road Sialkot	Health	Amnatullah Malik	0300-7159234 / 0300-8610414
6	Jammu and Kashmir Welfare Trust	-do-	Prem Nager Abbot road	Health	Shaiekh Muhammad Saleem	0300-2011784
7	Pakistan Council for Social Welfare and Human Rights	-do-	Muradia Road Model Town, Sialkot	Education	Muhammad Ijaz Noori	0300-6199622
8	Farukh Zahur Education Foundation	-do-	Room No 48First Floor Mian Mohammad Din Plaza Sialkot	Education	Dr.Khurram Anwar	0300-9613912 /03008616996
9	Allama Iqbal Welfare Foundation	-do-	Sublime Chowk ,Near Hotel One, Sialkot	Health	Muhammad Ikram	0300-9616261
10	Madad gar Welfare Society	-do-	49 Khadim Ali Road Model town Sialkot	Health,Others	Muhammad Saleem	0300-8615671
11	Aleem Welfare General Hospital & cornia Sialkot.	-do-	Jammu road near govt school boys Sialkot.	Health	DR. Abdul Aleem Hamayoun	0322-7493749
12	Big charity Welfare Organization	-do-	Uggoki Model Town Sialkot.	Health	Dr. Laieq Akmal	0300-8710925
13	Gulsan-e-Muhammadi Welfare Foundation	-do-	Airport ro Gohadpur Sialkot	Health	. Qari Umar Waqas	0310-7181122
14	Young Blood Foundation	-do-	Melad Chowk Daska	Health, Anti Narcotics Hospital, Education, Sports	Tanveer Ahmed Mughal	0300-6430130

15	Patient Welfare Society	-do-	Civil Hospital Daska	Health	Muhammad Ameen Tharohi	0300-8742127

ANNEX VIII: CONTACT LIST OF MAIN STAKEHOLDERS/ DEPARTMENTS

Sr#	Name	Department	Designation	Telephone Number		Mobile No.
				Office	Residence	
1	Mr. Gulraiz Hussain	Revenue	Commissioner, Gujranwala	055-9201326	9250454-55	0304-0920051
2	Dr. Nasir Mehmood Bashir	Revenue	Deputy Commissioner/Chairman DDMA	052-9250451	052-9250454	0304-0920065
3	Capt. Rtd. Mustansar Ferooz	Police	District Police Officer	052-9250321	052-9250323	0308-7865550
4	Dr. Nasir Mehmood Bashir	Zila Council/Chairman	Deputy Commissioner/Chairman DDMA	052-9250451	052-9250454	0304-0920065
5	Qaiser Ameen	Municipal Corporation-Sialkot	Chief Officer	052-9250140		0331-6165545
6	Mian Ahsan	Revenue	Additional Deputy Commissioner (General)	052-9250456		0345-5195213
7	Meer Muhammad Nawaz	Revenue	Additional Deputy Commissioner (Rev)/ Flood Relief Officer	052-9250466		0332-9992117
8	Kareem Baskh	Finance	Additional Deputy Commissioner (F&P)	052-9250122		0300-8035051
9	Jawaria Maqbool	Revenue	Assistant Commissioner, Sialkot	052-9250790		0300-6319242
10	Asif Hussain	Revenue	Assistant Commissioner, Daska	052-9200115		0331-6536558
11	Azhar ul Haq	Revenue	Assistant Commissioner, Sambrial	052-6524032		0333-7742462
12	Amir Shehzad	Revenue	Assistant Commissioner, Pasrur	052-6443566		0336-1484849
13	Syed Kamal Abid	Rescue 1122	DEO Rescue 1122/Secretary DDMA	052-9250257		0301-8616077
14	Majid Zaman Khan	PIU-PDMA	District Disaster Management Coordinator	052-9250523		0321-7281003
15	Younis Warrich	District Education Authority	Chief Executive Officer	052-9250194		0300-6437552
16	Dr. Asghar Ali	District Health Authority	Chief Executive Officer	052-9250066		0300-7569784
17	Pervaiz Iqbal	GEPCO	Superintending Engineer	052-9250688		0333-0772800
18	Hafiz Ijaz	Irrigation Marala Division	Executive Engineer	052-3502102		0332-5715234
19	Shabir Ahmed Saqib	Irrigation Pasrur Link	Executive Engineer	052-9250088		0333-4645844
20	Jamil Ahmad Basra	Highway Division	Executive Engineer	052-9250306		0300-9461212
21	Sadaqat Latif	Drainage	Executive Engineer			0322-4486727

22	Muhammad Tahir	Building Division	Executive Engineer	052-9250305		0300-4780470
23	Javed Pervaiz	Public Health Engineering Department	Executive Engineer	052-3572994		0345-5090008
24	Waqar Nagra	Revenue	Tehsildar, Sialkot			0300-7144450
25	Abdul Hai Bhatti	Revenue	Tehsildar, Daska	052-9200117		0302-6661548
26	Saleem Musharaf	Revenue	Tehsildar, Sambrial	052-6524032		0300-4708436
27	Rehmat Ali Virk	Revenue	Tehsildar, Pasrur	052-6441478		0300-8033777
28	Ameer Akmal	District Council	Chief Officer	052-9250530		0300-8610888
29	Faisal	Municipal Corporation-Sialkot	Chief Officer	052-9250148		0300-6201105
30	Shahid Farooq	Municipal Committee-Daska	Chief Officer	052-9200051		0301-6217953
31	Arbab Arif	Municipal Committee-Pasrur	Chief Officer	052-6442359		0321-4944907
32	Qaiser Ameen	Municipal Committee-Sambrial	Chief Officer			0306-6450235
33	Zafar Iqbal Butt	Civil Defense	Civil Defence Officer	052-9250030		052-9250030
34	Jamshed Bashir	Social Welfare	Deputy Director	052-9250491		0300-6434083
35	Malik M. Anwar Awan	Agriculture (EXT)	Deputy Director	052-9250311		0300-6118833
36	Dr. Saima	Livestock	Assistant Director	052-3307155		0300-7303617
37	Rohail Butt	Food Departmrnt	District Food Controller	052-9250244		0300-8612665
38	Riasat Ali Bajwa	SNGPL	RM	052-3251350		0332-4320332
39	Sajid Hameed Virk	Police	DO, Special Branch	052-4293333		0300-6135051
40	Zahid Aman	Building (Maintenance & Repair)	SDO	052-9250308		0300-4159602
41	Munir Gill	Road (Maintenance & Repair)	SDO			0300-6413540
42		Regional Transport Authority	Secretary	052-9250457		
43	Munawar Hussain	Information	District Information Officer	052-3254700		0335-4422293
44	Dr. Farooq Iqbal	AIMS Hospital	Medical Superintendent	052-9250062		0300-6191327
45	Dr. Azam Ibrahim	Govt. Sardar Begum Hospital	Medical Superintendent	052-9250128		0345-4207004
46	Dr. Muhammad Yousuf	Social Security	Medical Superintendent	052-3307061		0300-6100939
47	Malik Shafqat Elahi	Metrological Department	Electronic Engineer	052-4267195		0332-8709059

ANNEX IX: LIST OF VOLUNTEERS/RESCUE MUHAFIZ

S. #	Reg. No.	Name	CNIC	Address	Cell	Blood Group
1	11/222	Sameer Razzaq	34603-1531776-1	14/292 Haji Pura, SKT	0336-1611122	O+
2	5/52	M. Munir	34603-3421605-9	Pipple Wali Galli, Kotli Behram, SKT	0300-6136992	O+
3	24/587	Ibtasam Shafiq	34603-5948885-9	Nai Abadi Shahabpura, SKT	0334-8771122	A+
4	5/99	Jave Iqbal Butt	34603-3586676-5	Jalian Wala, Ugoki SKT	0300-7104748	B+
5	1/8	Salim ur Rehman	34603-2337773-9	15/79A Chiragh Pura, SKT	0303-4914930	O+
6	1/11	Mujahid Hussain	34603-2346090-3	Mubarik Pura, Nai Abadi, SKT	0306-6361122	AB+
7	26/626	Asif Ali	34603-4518038-7	Fateh Garh, SKT	0345-6814143	B+
8	31/708	M. Adnan	34603-8735234-9	Murad Pura, SKT	0324-9678274	B+
9	82/1692	Syed Baseer Zafar	34603-7801459-3	Kharotan Syedan, SKT	0331-6164140	A+
10	11/234	Umer Habib	34603-4011228-9	Nawa Pind, Akbarabad, SKT	0347-6779784	A+
11	14/290	Kishore Kumar	34603-2301269-3	Pura Hairana, SKT	0300-6184363	O+
12	49/1121	Raza-e-Mustafa	34104-2363357-3	New Adalat Garh, SKT	0345-6693257	O+
13	12/282	Naveed Akhter	34603-5050060-7	Nai Abadi Kotli Loharan, SKT	0333-8631993	B+
14	64/1439	Usman Riaz	34603-6383333-5	Kour Pur, SKT	0346-6605569	B+
15	2/25	Muzzaffar Shahzad	34603-3489456-9	Nia Miana Pura East, SKT	0333-8707066	A+
16	56/1325	M. Irshad	34603-2240456-5	Ladhar, SKT	0344-8728976	A+
17	85/1789	Ali Hassan	346035636034-9	Pakki Kotli, SKT	0344-0480692	A+
18	33/789	Fazal Hussain	34601-0806814-1	Allo Mahar, Daska, SKT	0344-6386206	B+
19	34/798	Zameer ul Hassan	34601-5312281-3	Allo Mahar, Daska, SKT	0345-6514414	O+
20	66/1450	Allah Yar	34602-5080441-1	Jojo Pur, Pasrur, SKT	0303-9474453	B+
21	87/1827	Faizan Mughal	34603-9613646-9	Kotli Behram, SKT	0332-1421122	AB+
22	33/786	Umer Mustafa	34603-7682444-3	Pipple Wali Galli, Kotli Behram, SKT	0300-61011094	O+
23	178/4214	Javed Ghouri	34603-1805254-7	Muhammad Pura, SKT	0344-6417568	A+
24	104/2177	Azmat Ullah	34603-6022935-7	Shahabpura, SKT	0322-7512273	O+
25	22/539	Aizak John	34603-4243375-5	Harar Nol, SKT	0322-7030510	A+
26	182/4446	Hanzala	34603-1838214-9	Fateh Garh, SKT	0331-4074030	O+

27	172/4133	Junaid Butt	34603-2812113-1	Nizamabad, SKT	0314-4741691	B+
28	32/791	Shahbaz Khan	34602-7368376-3	Abdali, Pasrur, SKT	0322-7123303	O+
29	21/488	Faizan Shabbir	34603-2376099-7	Mohallah Ajarain, SKT	0333-4973333	O+
30	24/593	M. Sohail	34603-9852486-9	Jalian Wala, Ugoki, SKT	0345-6740661	O+
31	38/928	Abid Shah	34603-0947932-5	Pakki Kotli, SKT	0331-6694837	A+
32	184/4497	Zahid Saeed	34602-2898865-1	Hunter Pura, SKT	0345-6813036	AB+
33	183/4481	Salman Shah	34603-6769922-7	Pram Nagar, SKT	0302-6966738	B+
34	183/4477	Zaid Arshad	34603-4735850-3	Haji Pura, SKT	0308-8507345	B+
35	180/4382	Khurram Shahzad	34603-5231176-5	Ward No.6 Cantt SKT	0337-0424187	A+
36	182/4569	M. shakeel	34603-9702118-9	ASO Mata, SKT	0321-6106051	O+
37	182/4438	Talha	34603-1923619-9	Fateh Garh, SKT	0334-0049268	A+
38	42/1025	Zohaib Nazir	34603-3973351-5	Khajoori Wala, SKT	0344-3236529	A-
39	13/283	M. Shabbir	34603-1805330-5	Nai Abadi Kotli Lohran, SKT	0300-6228538	B+
40	33/788	Shahbaz Ali	34603-3637896-9	Nai Abadi Kotli Lohran, SKT	0332-+8624584	B+
41	174/4196	Jamshaid Butt	34603-2802613-1	Nizamabad, SKT	0344-6551584	B+
42	56/1335	M. Bilal	34601-8457293-1	Sohny wali, Daska, SKT	0332-8690607	A+
43	184/4492	M. Azam	34603-2258152-3	Chanu Mom, SKT	0333-4454700	B+
44	195/4934	Ahmed Mustafa	34603-6145968-5	Kotli Loharan, SKT	0301-6288936	B+
45	196/4947	Zeeshan	34603-9462598-3	Model Town, Ugoki, SKT	0301-8115899	A+
46	196/4950	Ahmar Waqas	34603-6359041-3	Gull Bahar Kalan, SKT	0324-9653997	A+
47	201/5099	M. Babar	34603-6055955-1	Channu Mom, SKT	0347-5417852	B+
48	201/5100	Irfan Rasheed	34603-4257822-1	Channu Mom, SKT	0346-6654231	B+
49	173/4174	M. Arslan Ali	34601-3074497-4	Motra Daska, SKT	0341-4996812	AB+
50	173/4184	M. Amjad	34601-8012448-5	Motra Daka, SKT	0340-4221726	B+

ANNEX X: POLITICAL CONSTITUENCIES

National Constituencies				Provincial Constituencies			
Name of constituency	Name of Sitting Parliamentarian	Portfolio	Contact Number	Name of constituency	Name of Sitting Parliamentarian	Portfolio	Contact Number
NA-110	Kh. Muhammad Asif		0300-8440640 052-4261478 052-4262478	PP-121	Rana Muhammad Iqbal		0300-9610614 0300-8711108
NA-111	Ch. Armghan Subhan		0300-8614123 052-4260154	PP-122	Ch. Muhammad Ikram		0300-8610616 052-3553658
NA-112	Rana Shamim Ahmad		0333-8639123 052-3570666	PP-123	Mr. Mansha Ullah Butt		0300-8710334 052-4588047
NA-113	Syed Iftikhar Hassan		0300-6158387 052-6227401	PP-124	Rana Abdul Sattar		0321-5533333 052-3570666
NA-114	Mr. Zahid Hamid		0300-8477181 052-6441057 042-36662855	PP-125	Mr. Tariq Subhani		0300-5355357 052-4260154
	Usman Dar	Advisor for Youth Affairs		PP-126	Rana Liyaqat Ali		0300-6152144 052-4266363
	Umer dar			PP-127	Ch. Munawar Ali Gill		0300-6183087 052-6441733
				PP-128	Rana Muhammad Afzal		0300-8618641 052-6449276
				PP-129	Mr. Mohsin Ashraf		0321-7374200 0345-1129129 052-6548555
				PP-130	Mr. Muhammad Asif Bajwa		0300-8746535 052-6617535
				PP-131	Ch. Arshad Javaid Waraich		0300-8616595 052-4294299

ANNEX XI: DATA COLLECTION PERFORMAS

P1: House Damage Assessment

District: _____ **Date:** _____

S#	Name	Father Name	CNIC	Address	Revenue Estate	Union Council	Tehsil	Partially/Completely	Katcha/Pakka	%age of Damage	Contact No.	GPS Coordinates	Picture Taken (Y/N)

P2: Deceased Person Reporting Performa

District: _____ **Date:** _____

S#	Name of deceased	Father's name	Address	Domicile	Gender	Age	CNIC	Cause of death	Date of death	Place of death	Marital status	Next of kins (Name and Contact and CNIC etc.)	Verifying Officer (Name, Desgination and Contact)	Compensation Paid or not

P3: Injurd Person Reposrting Performa

District: _____ **Date:** _____

S#	Name of injured	Father's name	Address	Domicile	Gender	Age	CNIC	Cause of injury	Date of injury	Injury Type (Permanent or Temporary)	Compensation Paid or not

P4: Cattle Head Perished

District: _____ **Date:** _____

S#	Name ofFarmer	Father Name	CNIC	Mauza	Tehsil	Type of Animals	Number of Animals (Cow, sheep etc.)	Vaccinated/ Unvaccinated	Witness 1 name and contact No.	Witness 2 Name and Contact No.

P5: Crop Damages

District: _____ **Date:** _____

S#	Tehsil	Qanoongoi	Union Council	Mauza	Farmer Name	Land owner/Tenant	CNIC of farmer	Contact number	Type of Crops	Total land affected (acres)	% of mauza affected

P6: Relief Distribution Tracking Performa

District: _____ **Date:** _____

S#	Location/ Destination	Arrival Date and time	Items	Quantity	Items short (if any)	Items sent by	Driver name	Received by	Bilty no

P7: Private Machinery (Boats, Bulldozers, cranes etc.)

In case of mega disaster that overwhelms the resources of the Government in certain area, the equipment of private owners are engaged to continue with evacuation, rescue or relief services. The following template is filled to maintain a record of boat owners that might be engaged at the time of a disaster.

District: _____ **Date:** _____

S#	Name of boat owner	Father name	Contact Number	Age	CNIC	Location of boat/Machinary	Type of Machinary (Boat, Bulldozers, Cranes etc.)	Engine type	Boat capacity	Equipment Condition	Number of Machinry

P8: Relief camp registration Performa

New entrants in the relief camps should be documented on a weekly basis by utilizing the following template:

District: _____ **Date:** _____

S#	Nationality	Domicile	Male	Female	Age	Children Under 12	Infants under 3	Sick	Injured	Pregnant

P9:NGOs registration performa

All the Non-Governmental Organizations operating in the disaster affected areas should register themselves at PDMA's website. The following template has been developed for NGOs assisting the Government in disaster response.

District: _____ **Date:** _____

S#	Name of NGO	Local /INGO	Relief activity	Relief camp if any	Focal person in the district	Registered with PDMA	Foreigners to be visiting or not.

P10: Control Room

PDMA requires all districts to setup a control room at the incidence of a disaster. This control room would plan and execute a well-knit Governmental disaster response by bringing together all representatives of the various Governmental departments. This control room would be operational around the clock and PDMA must be informed about its operation and in-charge by filling the following template:

District: _____ **Focal Person:** _____ **Date:** _____

S#	Location of control room	Shift I Incharge Name and Contact	Shift II Incharge Name and Contact	Shift III Incharge Name and Contact	Phone Numbers	Fax Numbers	E- Mail Address

ANNEX XII: CAMP MANAGEMENT SoPs

- Camps would be established in areas accessible by metalled roads so that provision of essential facilities is not difficult
- Basic facilities such as food, clean drinking water, health, hygiene and sanitation should be available at these shelters.
- Proper registration mechanism should be in place to differentiate between those actually affected and cunning opportunists
- Proper security system should be in place in coordination with the local police as the presence of police always acts as deterrence for criminals who may be attracted to such places.
- Emergency medical care should be available as well as a proper firefighting system as fire out breaks are common in such tents
- Proper camp management should be announced and notified and there should be a complaint cell as well
- A proper distribution mechanism should be in place to ensure that the needy get what they deserve.
- Scattered camps should be catered for and encouraged to join the main camp.
- At times shallow hand pumps are not safe for drinking as the water underground has been affected. In such cases clean medicated water should be provided through water bowsers.
- Vector control is an essential part of the camp management and steps should be taken to remove rats, snakes and mosquitoes etc.
- Un-accompanied and missing children shall be placed separately with proper care and fulfilment of their physical and psycho-social needs.
- Needs of women as per local and cultural environment shall be considered for establishing separate relief camps for ladies with provision of proper security and light arrangements.

Land	3.0-4.5 square meter per person
Shelter	3.5 square meter per person
Water	15-20 liters per person per day
Food	2100 kcal per person per day
Toilet	One per family of 6-10 persons
Health Centre	One per 20,000 persons
Child Friendly Spaces	2-4 year olds- 15 children:2 facilitators
	5-9 year olds-20 children : 2 facilitators
	10-18 year olds- 30 children :2 facilitators
Hospital	One for as many as 200,000 persons

ANNEX XIII: RIVER DISCHARGE RATES

1. Major Nullahs/River

i. River Chenab & Jummu Tawi
ii. Nullah Aik (*Length in Sialkot District = 41Miles)*
iii. Nullah Dek *(Length in Sialkot District = 33 Miles)*
iv. Nullah Palkhu *(Length in Sialkot District = 52 Miles)*
v. Nullah Bhed *(Length in Sialkot District = 13 Miles)*

2. Major Bunds

i. Right Marginal Bund
ii. Left Marginal Bund
iii. Colony Protection Bund cum Left Flood Protection Bund

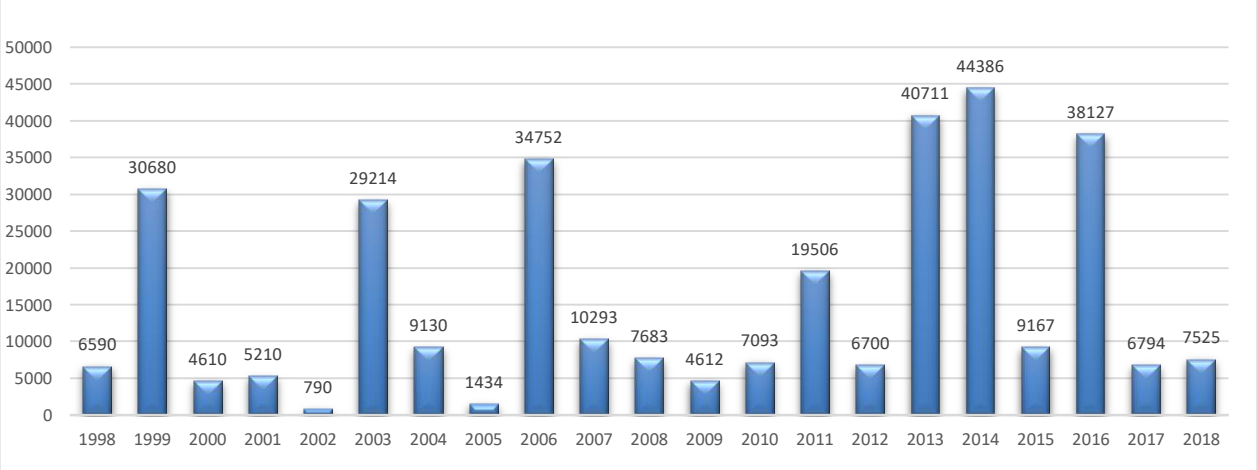
3. Flood Levels

River/ Nullah	Maximum Capacity (Cs)	Classification of flood limits (Cs)		
		Low	High	Very High
River Chenab	1,100,000	100,000	400,000	600,000
Nullah Deg Kingra	17000	10,000	15,000	22,000
Nullah Aik at Ura	25,000	2,000	9,000	33,000
Nullah Palkhu at Cantt. Bridge	3,000	1,200	2,000	3,000

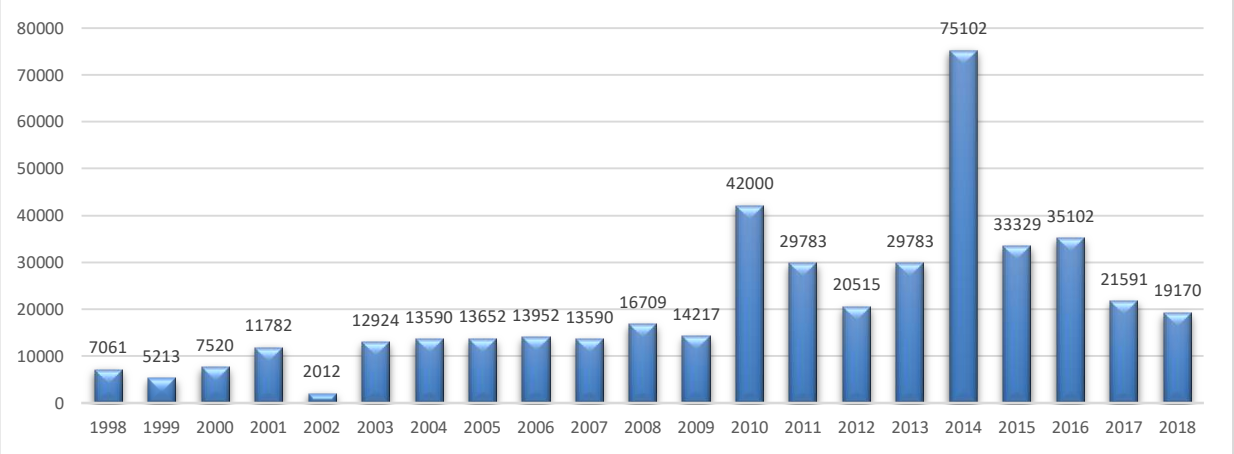
4. Maximum Water Discharges in Recent Past

Sr#	Name of Nullahs / River	Maximum Capacity (Cs)	Highest Discharge	Discharge 2013	Discharge 2014	Discharge 2017	Discharge 2018
1	Chenab River	1,100,000	858,464 (2014)	377,290	858, 464	216,020	201,878
2	Deg Nullah at Kingra	17,000	75,102 (2014)	29,783	75, 102	21,591	19,170
3	Aik Nullah at Ura	25,000	44,386 (2014)	41,000	44,386	6,794	7,525
4	Palku Nullah	3,000	3,070 (2017)	-	3,040	3,070	1,159

DISCHARGES IN NULLAH AIK IN LAST 20 YEARS



DISCHARGES IN NULLAH DEG IN LAST 20 YEARS



FLOOD LIMITS IN RIVER/NULLAHS

River/ Nullah	Maximum Capacity (Cs)	Classification of flood limits (Cs)		
		Low	High	Very High
River Chenab	1,100,000	100,000	400,000	600,000
Nullah Deg Kingra	17000	10,000	15,000	22,000
Nullah Aik at Ura	25,000	2,000	9000	33000
Nullah Palkhu at Cant Bridge	3,000	1,500	3,000	3,500
Nullah Bhed	2500	1500	2000	2500 and above

ANNEX XIV: LIST OF BASIC TERMS

Acceptable risk
The level of loss a society or community considers it can live with and for which it does not need to invest in mitigation

Biological hazard
Biological vectors, micro-organisms, toxins and bioactive substances, which may cause the loss of life or injury, property damage, social and economic disruption or environmental degradation.

Capacity
A combination of all the strengths and resources available within a community, society or organization that can reduce the level of risk, or the effects of a disaster.
Capacity may include physical, institutional, social or economic means as well as skilled personnel or collective attributes such as leadership and management. Capacity may also be described as capability.

Capacity building
Efforts aimed to develop human skills or societal infrastructure within a community or organization needed to reduce the level of risk. In extended understanding, capacity building also includes development of institutional, financial, political and other resources, at different levels of the society.

Climate change
The climate of a place or region is changed if over an extended period (typically decades or longer) there is a statistically significant change in measurements of either the mean temperature or variability of the climate for that region.

Coping capacity
The means by which people or organizations use available resources and abilities to face a disaster. In general, this involves managing resources, both in normal times as well as during crises or adverse conditions.

Disaster
A serious disruption of the functioning of a community or society causing widespread human, material, economic or environmental losses which exceed the ability of the affected community or society to cope using its own resources. It results from the combination of hazards, conditions of vulnerability and insufficient capacity to reduce the potential negative consequences of risk.

Disaster risk management (DRM)
The comprehensive approach to reduce the adverse impacts of a disaster. DRM encompasses all actions taken before, during, and after the disasters. It includes activities on mitigation, preparedness, emergency response, recovery, rehabilitation, and reconstruction.

Disaster risk reduction/disaster reduction
The measures aimed to minimize vulnerabilities and disaster risks throughout a society, to avoid (prevention) or to limit (mitigation and preparedness) the adverse impacts of hazards, within the broad context of sustainable development.

Early warning
The provision of timely and effective information, through identified institutions, to communities and individuals so that they could take action to reduce their risks and prepare for effective response.

Emergency management
The management and deployment of resources for dealing with all aspects of emergencies, in particularly preparedness, response and rehabilitation

Forecast
Estimate of the occurrence of a future event (UNESCO, WMO). This term is used with different meanings in different disciplines.

Geological hazard
Natural earth processes that may cause the loss of life or injury, property damage, social and economic disruption or environmental degradation. For example earthquakes, tsunamis, volcanic activity and emissions, landslides, rockslides, rock falls or avalanches, surface collapses, expansive soils and debris or mud flows.